ski hut 68/69

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cover photographs of Point Reyes National Seashore by Alfred Smith

SLIMLINE

TRAILWISE SLIMLINE BAG
Our most popular bag has been designed for the greatest economy of weight and space. This form-fitting bag is recommended for the mountaineer or backpacker who must keep weight and bulk to a minimum. Completely differential cut allows maximum lofting of the Grade AA white goose down while slanting Chevron baffles stabilize the down more effectively than any other type of baffling yet developed. Shell is made of the finest water-repellent Tenaya nylon and is available in either red or blue. Draw cord hood is completely adjustable. The 72″ nylon zipper provides great flexibility and this bag will keep the average person comfortable in normal summer temperatures in the high mountains and, with the increased efficiency provided by the use of a cover and thermal underwear, the Slimline may also be used in comfort for winter camping. Zipper is installed on right side of bag. (Slimlines may also be ordered in matching pairs that zip together to form a double bag—blue only). For those who prefer to shave 5 oz. from the total weight of the bag and do not require warm weather adaptability, the Slimline is also available without a zipper.

Slimline 190 will fit persons up to 6′ and weighing about 175 lbs.
S190/S—24 oz. fill (no zipper) ..... Wt. 42 oz. **$65.00**
S190/SA—32 oz. fill (no zipper) ..... Wt. 50 oz. **73.50**
S190/S-72—24 oz. fill (72″ zipper) ..... Wt. 45 oz. **75.00**
S190/SA-72—32 oz. fill (72″ zipper) **83.50**
Slimline 940 will fit persons up to 6′3″ and weighing about 190 lbs.
S940/S—26 oz. fill (no zipper) ..... Wt. 45 oz. **$70.00**
S940/SA—34 oz. fill (no zipper) ..... Wt. 52 oz. **78.50**
S940/S-72—26 oz. fill (72″ zipper) ..... Wt. 48 oz. **80.00**
S940/SA-72—34 oz. fill (72″ zipper) ..... Wt. 55 oz. **88.50**

CHEVRON

TRAILWISE CHEVRON BAG
Our finest bag, the Chevron has been proven from the Himalayas to Alaska and Antarctica and in all the frozen regions of the world. Nothing was spared in design, construction or materials to make the Chevron the most efficient of all sleeping bags. Shell is blue Tenaya Nylon. Light, downproof, water-repellent, and extremely durable, Tenaya has a luxurious feel and will give years of service. Full differential cut allows maximum lofting of Grade AA premium goose down. Chevron baffle of strong nylon mesh is slanted a full half-tube width for even greater efficiency. Generous contours and flared foot section assure unrestricted comfort while mummy pattern pares ounces from weight of bag. Draw cord hood. Nylon side zipper available in 72″ or 30″ length. Draft flap. One size for persons up to 6′2″. Color is French Blue. Packs into a 9″ x 18″ waterproof stuffbag.
S104/30 (2½ lb. fill, 30″ zipper) **$107.50**
S104/72 (2½ lb. fill, 72″ zipper, total weight 3 lbs, 15 oz.) **$110.00**
S104A/72 (3 lb. fill, 72″ zipper, total weight 4 lbs, 6 oz.) **$116.00**

TRAILWISE DOUBLE MUMMY
Accommodates two persons comfortably. Provides certain advantages over two single bags zipped together, i.e., less bulk and lower price. Shell is blue Tenaya Nylon for lightness, luxuriousness and durability. Strong nylon baffles are sewn in Chevron pattern. Fill is Grade A grey goose down. Superior individual thermal control is provided by two 72″ side zippers with draft flaps and independent draw cord hood closures. Velcro fastening of center section between hoods permits opening of entire top of bag. Will fit persons up to 6′2″. An 11″ x 21″ waterproof stuffbag is included.

S108/A (4 lb. fill) **$137.50**
S108/B (4½ lb. fill) **$144.00**
S108/C (5 lb. fill) **$150.00**

TRAILWISE NORRLAND BAGS. Cut full at shoulder and elbow section with roomy flare at the foot. Combines the freedom of a rectangular bag with the economy of weight and bulk found only in mummy styles. The shell and lining are of light, downproof Tenaya Nylon, and are differentially cut to allow full loft of the 100% Grade A Grey Northern Goose Down. The baffles of Nylon Mesh are set in the Chevron Pattern: the most effective way yet developed to prevent the shifting of down in any direction. The full-length 72″ nylon side zipper gives easy accessibility, and in addition provides wideranging thermal control. There is a 3″ wide down-filled draft flap behind the zipper. Two Norrland bags may be zippered together to form a roomy double, even though the bags are of different lengths. The adjustable hood with drawcord may be left flat or closed snugly about the face. Packs into 9″ x 18″ stuffbag. There is a color choice of Red or Blue. Three sizes as shown:

Norrland 84—Will fit persons up to 5′8″.
S184/N—2 lb. fill **$80.00**
S184/NA—2½ lb. fill **86.50**
Norrland 92—Will fit persons up to 6′2″.
S192/N—2½ lb. fill **$90.00**
S192/NA—3 lb. fill **96.50**
Norrland 98—Will fit persons up to 6′6″.
S198/N—3 lb. fill **$100.00**
S198/NA—3½ lb. fill **106.50**

TRAILWISE WILLOW BAGS. Cut to the same generous proportions as the Norrland Bag, in the modified Mummy pattern. The Willow achieves the remarkable comfort of the Norrland at a more reasonable price due to its simplified baffle construction: slant baffled, straight cross-tubes between the inner and outer shell and a non-differential cut. No cold seams anywhere and a full 8½″ of free loft. The inner and outer fabric is lightweight Nylon Supernyl, a material which is downproof and exceptionally rugged. Full-length 72″ brass-side zipper, backed with a down-filled draft flap offers easy access. Two Willow Bags can be zipped together to form a roomy double, even though the bags are of different lengths. Has an adjustable hood with drawcord. Filling is 100% Grade A Grey Northern Goose Down. Willow bags come in three sizes. Packs into a 9″ x 18″ waterproof stuffbag. Color: Sky Blue.

Willow 84—Will fit persons up to 5′8″.
S184/W—2 lb. fill **$66.00**
S184/WA—2½ lb. fill **72.00**
Willow 92—Will fit persons up to 6′2″.
S192/W—2½ lb. fill **$76.50**
S192/WA—3 lb. fill **82.50**
Willow 98—Will fit persons upto 6′6″.
S198/W—3 lb. fill **$89.00**
S198/WA—3½ lb. fill **96.00**

DOWN-FILLED FOOTSACK. When mated with the Trailwise downfilled parka, the combination will serve as an emergency sleeping bag. Some may prefer to use this combination for an entire outing, thus saving weight while providing versatility. This halfbag is fully baffled; is cut higher in back than front to assure coverage in sitting position and has drawstring at top. Made of Blue Tenaya Cloth and filled with 14 oz. of Grey Goose Down. With waterproof stuffbag.
Wt. 1 lb. 10 oz. **S106** **$37.95**

WATERPROOF BIVOUAC SACK. Use with or without ½ bag pictured above. Cut long enough to come above waist. Coated nylon. Wt. 6 oz. **A121** **$7.95**

HOSTELER. A bag designed for those who want an inexpensive down-filled bag that will also be light in weight, able to take rough usage, and serve a variety of purposes. We feel this bag is eminently suited to the Summer backpacker, climber, cyclist and for Winter use in lodge or hut. This bag is fully baffled. Tubes run across the body of bag and nylon mesh is used to keep shifting of down to a minimum. There are no stitched through seams. Fits persons up to 6′ tall; fill is 20 oz. of Grade A Grey Goose Down; 30″ side zipper; left only (occupant's view). Fabric is downproof Supernyl. Color: Green. Packs into a 7″ x 18″ stuffbag. Wt. 2 lbs. 14 oz. **S105** **$52.00**

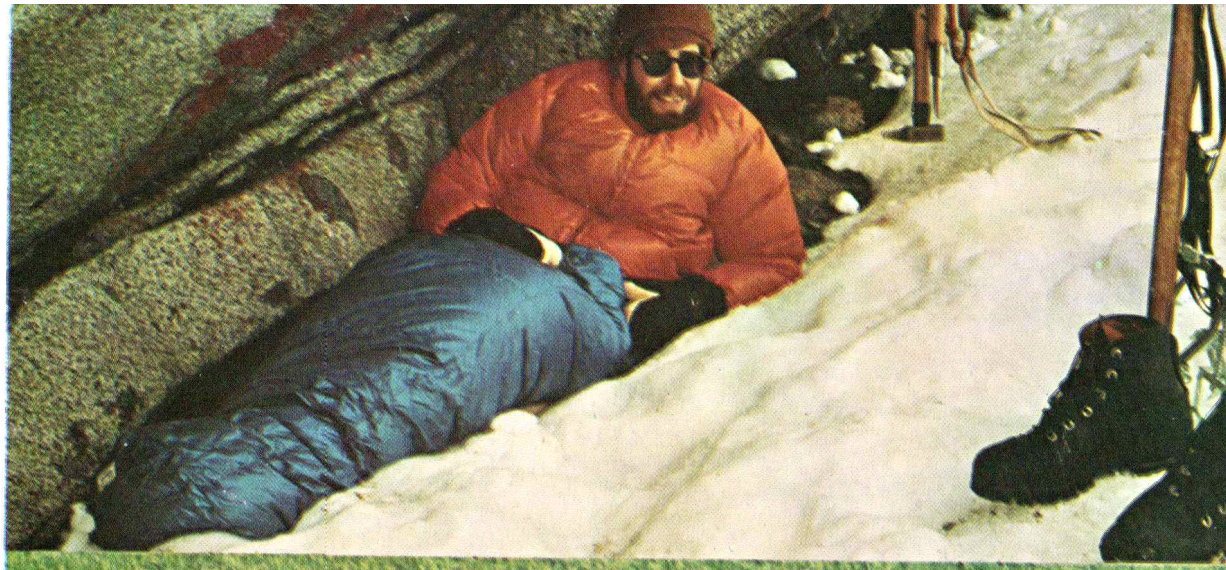
CHILD'S DOWN-FILLED MUMMY BAG. Highly efficient and lightweight bag for the young camper. Made with the same high quality materials and fine construction found only in expensive adult bags. Full baffles across the bag with no stitch through seams. Fabric is Tenaya Cloth in Royal Blue color. Filled with 14 oz. of Grey Goose Down. No zipper. This bag is an excellent value in a high quality bag that will give superior service and satisfaction. Packs into 7″ x 18″ stuffbag. For children up to 4′2″ tall. Total wt. 1 lb. 10 oz. **S106**..... **$37.95**

TRAILWISE SLEEPING BAG COVER. Designed to augment the temperature range and to protect from dirt and moisture, this redesigned cover will fit any Trailwise bag except the 98 model and the double mummy. Top section is made of tightly woven, breathable nylon . . . bottom of light but durable waterproof Nylport. Full length separating zipper, state preference for right or left side closure.
S115 ..... **$17.50**
no photo

SLEEPING BAG RATINGS

	Loft	Temperature
Slimline	8 - 9″	5 F
Chevron	9 - 10″	—40 F
Double Mummy	7″	—10 F
Norrland	8 - 10″	— 5 F
Willow	9 - 10″	10 F
Hosteler	5 - 6″	20 F

EXTRA DOWN FILL. All Trailwise bags may be ordered with an optional ½ pound over fill; recommended for those who either "sleep cold" at high altitudes or do winter camping. These are in stock for immediate delivery.
½ lb. extra fill grade A white goose down **$9.00**
½ lb. extra fill grade A grey goose down **$8.50**
1 lb. extra grey goose down may added to double mummy for **$15.50**



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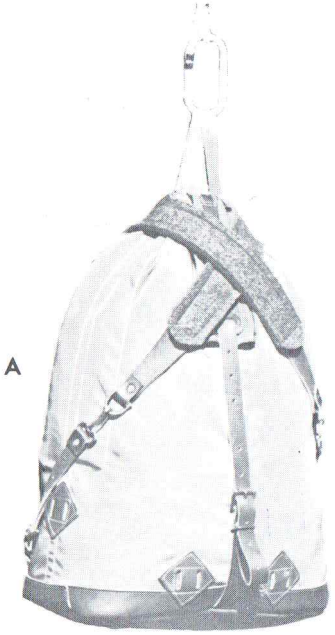

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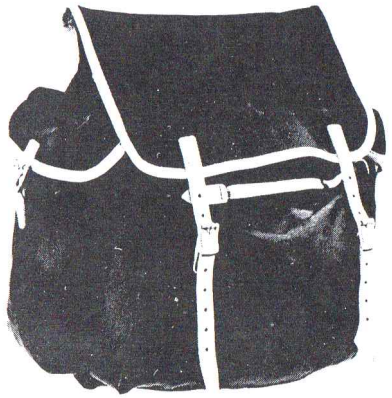

A **ALP SPORT YOSEMITE SPECIAL. MOD. 130.** The Yosemite Special is specifically designed for hauling with the least possible danger of having the pack hang up on the rock. Pack is tubular. Nylon web straps on each side form a loop at the top to which a hauling line is attached. Pack is reinforced with nylon web and has a durable double bottom of nylon duck and leather. Can be carried in complete comfort as a regular pack. It is 21 inches high with a 7 x 13 inch bottom. There are two interior side pockets 10″ by 4½″ by 2½″, and a rear pocket 9″ by 15″ by 2″ to provide for padding against the back. Comes complete with 2 strap holders and a non-catching ice axe carrier. Waterproof Urethane nylon duck. Wt. 31 oz.
R205 ..... **$22.50**

B **ALP SPORT ROCK CLIMBER'S STANDARD. MOD. 80.** This teardrop shaped pack has a ten to fifteen pound capacity. The pack is narrow at the top, with no outside pockets, prevents hangups in close quarters. The two compartments, each with a "Wing Sweep" zipper, allow you to distribute the load evenly. Pack is 16 inches high. The rectangular leather bottom measures 5½ by 11½ inches. Nylon waist strap extends to 41 inches. An ice axe carrier, 2 accessory strap holders and a nylon hauling handle are all installed on pack. Nylon Duck. 22 oz.
R201 ..... **$15.50**

C **MOD. 90.** Same design and shape as the above pack, but on a larger scale. Holds almost twice as much! Bottom 13½″ x 6½″. Height 18″. Waterproof Urethane nylon duck. Wt. 24 oz.
R202 ..... **$18.00**

D **ALP SPORT EIGER STANDARD. MOD. 100.** For overnight hikes and extended rockclimbs; capacity about 30 lbs. Anyone who packs light should need no more than this pack—for comfort and toughness. Both bottom and top are raked upward to prevent sagging of the load. Removable aluminum stays can be bent to conform to your back. The 7″ x 14″ bottom is of the finest leather; the shoulder straps are leather, padded with felt. The pack is 19″ high, with two side pockets 5″ x 10″ x 2½″, and a lid-pocket 11″ x 12″ x 3″. Made of 8 oz. Urethanecoated waterproof nylon duck throughout, with heavy-duty nylon pocket zippers. Wt. 29 oz. **R203** **$25.50**

ALP SPORT SKI-MOUNTAINEERING. MOD. 110. Exactly the pack above, but with pockets for skis between the pack itself and the side pockets. Slots reinforced with leather facing. Wt. 34 oz. **R204** **$27.50**

E **BERGANS SVIPPTUR MODEL 27.** A popular lightweight rucksack for day trips. Sack size 12″ x 14″ x 5″. Outside center pocket 12″ x 8″ x 2¼″. Two side pockets 4″ x 10″ x 1½″. Lightweight frame has broad top and extends under bottom of sack for protection of sack. Bergans quality canvas and chrome attachments. Wt. 2¼ lbs. **R302** **$17.00**

LA FUMA GUIDE #23—Rugged, narrow-profiled climbing pack. Full leather bottom extending 3″ up the sides. Heavy-duty canvas, chrome leather waist belt and felt-lined shoulder straps, hauling ring, ice axe and crampon carriers, zippered pocket in flap. Colors: tan or orange. 21″ x 13″ x 6″. 2 lbs. 4 oz.
R301 ..... **$18.95**

LA FUMA COMBINATION PACK. For year around mountain sports. Full leather bottom. Tunnels under pockets for carrying skis. Hauling ring, ice axe barrier and crampon straps. Two outside pockets and a zipper pocket in flap. Size: 22″ x 17″ x 5″. Wt. 4½ lbs. Color is Grey.
R301 ..... **$34.95**

F **TRAILWISE TOURING PACK.** Medium capacity pack for those who travel light on weekend tours or knapsack trips. A square pack with narrow profile that rides close to the back. Made of tough Urethane coated nylon duck. Full bottom of chrome tanned leather, two large outer pockets, axe carrier, hauling loop, accessory strap patches, waistband and ensolite padded shoulder straps. Measures 18″ x 7″ x 10½″. Colors: Red, Sage Green. Wt. 19 oz. **R101** **$25.00**

G **TRAILWISE MOUNTAIN PACK.** Lightweight and compact, this pack is ideal for rock-climbing, skiing, or for a day's outing. Standing height is 16″; the bottom measures 6½″ x 13″; and the pack weighs only 14 oz. Pack is divided into an upper and lower compartment, each with zipper closure. Full bottom of water repellant chrome-tanned leather. Sack is of waterproof heavy-duty Urethane coated nylon duck. 2″ wide ensolite padded nylon shoulder straps with adjustment. Has ice axe and hauling loops and accessory strap patches on bottom. Colors: Sage Green or Red. **R102**..... **$17.50**

H **TRAILWISE SKIER'S BELT BAG.** Combines the most desirable characteristics of lightness, strength and waterproofness. Made of Urethane coated nylon duck, with adjustable belt of nylon web. Side zipper opening for best protection against snow or rain. Seams have white piping and bag is contoured to fit body. A very handy bag for ski or hiking accessories; camera, lunch, wax, goggles, etc. Colors: Sage Green, Red or Black. Size 12½″ x 4½″. 6 oz. **R118** **$6.95**

LIGHTWEIGHT SKIER'S BELT BAG. Similar to above. Constructed of black Nylsurf, a lighter weight waterproof fabric. Wt. 4 oz. **R118/N** **$5.50**

I **TRAILWISE KNAPSACK.** Popular knapsack of water repellent canvas. Two outside packets are closed by zipper. The main flap is held closed by a bag snap. Web shoulder straps are adjustable. Fastenings are riveted and leather reinforced. The sack has a draw cord at top for closure. 32″ circumference at top. Bottom dimensions are 16″ x 6″. Sack is 14″ deep. Adjustable waist strap. Choice of color: Red, Pearl or Green. Please state second color choice. Wt. 17 oz. **R501**..... **$6.50**

J **JUNIOR KNAPSACK.** For the children. A small knapsack (11″x12″) made of good quality canvas. There is one patch pocket located on the outside, but under the flap. The lightweight web shoulder straps are adjustable and the waist strap is also adjustable. Colors: Red, Green, Sage. Wt. 14 oz. **R500**..... **$3.50**

K **TRAILWISE NYLON ZIPPER DUFFLE:** Strong, light and made of waterproof fabric, this handsome duffle is made of a Urethane coated heavy Nylon duck. Full length nickel-silver zipper; white piping on seams; generous dust flap under zipper; and wrap-around nylon webstrap handles to eliminate localized strain of fabric. Handle on one end. Colors: Sage Green or Red as available. Measures 14″ x 30″. Wt. 19 oz. **R119/N** **$11.50**

ZIPPER DUFFLE BAG. Features wrap around web strap handles, eliminating localized pull on canvas. Dust flap under zipper. Web strap handle sewn on one end. Army Duck. Color: Spruce Green. Size 14″ x 29″. Wt. 1 lb. 10 oz. **R119/C** **$7.95**

L **WATERPROOF DUFFLE BAG:** Ideal for river trips or for travel in wet country. Inexpensive and designed for a variety of uses. Made of OD rubberized cotton fabric. All seams are sealed. Draw cord closure. Round bottom. 15″ x 30″. Wt. 17 oz. **R511** **$1.75**

M **STUFF BAGS.** Made of lightweight, coated waterproof nylon. Draw cord closure. Round bottom. An assortment of sizes for stuffing of different size sleeping bags, apparel, etc.
R120/711. 7″ dia. x 11″ long. 1 oz..... **$1.50**
R120/718. 7″ dia. x 18″ long. 1¼ oz... **$1.75**
R120/722. 7″ dia. x 22″ long. 1½ oz... **$2.50**
R120/918. 9″ dia. x 18″ long. 1½ oz... **$2.50**
R120/921. 9″ dia. x 21″ long. 2 oz..... **$2.75**
R120/1121. 11″ dia. x 21″ long. 2¼ oz.. **$3.00**

HEAVY DUTY STUFF BAGS. Of Urethane nylon duck, a coated material. Two sizes: 8″ x 17″; 9″ x 18″. Colors: Green, Red. **R121**.... **$3.50**

N **NYLON BELT POUCH.** A very convenient item to carry on all outings. Allows immediate access to snacks, glasses, first-aid material, cosmetics or whatever. Made of very strong Urethane coated nylon duck; a fabric that is waterproof, longwearing and light. Nine-inch zipper with pull tabs at ends, and belt loops for attachment. Measures 4½″ x 7½″ x 2″. In Red or Sage Green. Wt. 2 oz. **R113**..... **$2.95**

O **GERRY KIDDIE PACK.** A deluxe carrier. Frame is tubular aluminum and carrying sack is of Royal Blue Duck. Seat height is adjustable with storage area under the adjustable inner seat. Shoulder straps are nylon with foam padding. 3″ wide nylon backband. Backband transmits large part of load to hips and keeps carrier positioned to allow adequate ventilation. Wt. 20 oz. **R811**..... **$15.00**

SHOULDER PADS. ⅜″ thick ensolite: firm, comfortable padding covered with nylon duck. For straps up to 2¼″ wide. 10″ long; wt. 1½ oz. **R107** ..... pair **$1.95**

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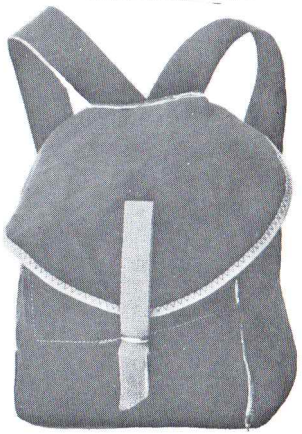
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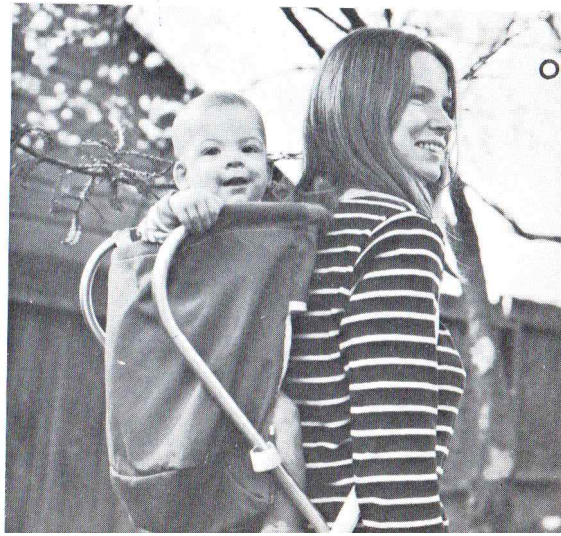
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A PRIMUS 2063 TWO-BURNER. An ideal instant lighting car camping stove. Will burn approximately four hours on one 14 oz. disposable propane bottle. Boils one qt. of water in 6 minutes. Folded size 17" x 2" x 13". Wt. 9½ lbs.
U713 ..... **$28.50**

B PRIMUS DISPOSABLE PROPANE CYLINDER 14 oz gas burns 3-5 hours. Weight with gas 1 lb 14 oz **N713B**..... **$1.95**

L PRIMUS PROPANE REFILLABLE CYLINDER. 3½ lb. propane capacity equipped with vertical outlet valve, bleeder for easy filling. Weighs 5 lb. 3 oz. without gas; measures 13¼ inches high, 5⅞ in diameter. Not mailable.
N713A **$16.95**

C SIGG TOURIST. A light camp stove set, larger than Sigg Cooker. Designed for use with SVEA stove. Set consists of one casserole of 2½ pt. capacity; one casserole of 3½ pt. capacity; one lid pan; one upper and lower wind guard; one pot holder; one strap and one SVEA gasoline stove. Stove nests inside pots. Nested size 8¼" dia. x 4¾" high. Wt. 2½ lbs. ..... **U733**.. **$17.95**
Sigg Tourist without SVEA stove
U732.. **$9.00**

D OPTIMUS 8RF. Low-profile stove gives stable base to pots, burns ⅓ pt. white gas in 1¼ hrs. No pumping required—stove generates its own pressure. Fitted with safety valve and self-cleaning orifice. Brass tank and japanned steel box. Large knurled control knob is very easy to adjust. Wt. 1 lb. 9 oz. Case measures 5" x 5" x 3". **U714**..... **$12.50**

E PRIMUS 96L. Burns kerosene. Primes with alcohol for instant lighting. Rated to boil one qt. water in 7 minutes. Burns 2 hours on ½ pt. filling. Complete with primer can, windshield, wrench and cleaners. Has pump. Packed in metal box, size 4¾" x 5¾" x 3". Collapsible. Very stable for large pots. Wt. 1⅞ lbs.
U702 ..... **$14.50**

F SVEA COOKER. A practical and handy stove from Sweden, just the right size to pack into an ordinary rucksack pocket. This very efficient cooker has a windscreen which also serves as a stand for the small pot included with the set. Burns white gasoline; capacity ⅓ pint which burns about 45 minutes. No pumping; equipped with safety valve. For the combination of heat output, efficiency and light weight, this stove is highly recommended. Packed size 5" x 3¾" diameter. Wt. 1 lb. 2 oz. **U703**..**$10.95**

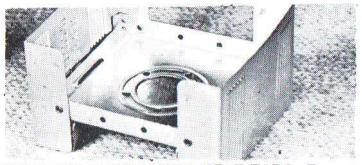
G PRIMUS 71L. This small, compact, lightweight Primus is contained in a neat metal container which also serves as a stand to hold cooking pots. The stove burns white gas with hot blue flame and no pumping is necessary. ½ pint burns approximately 1½ hours. Folded size 3¾" x 5¼". 1 lb. 3 oz. **U701**.**$10.25**

H PHOEBUS 625. Compact and versatile, this stove is rated to boil one qt. of water in 4 minutes. Burns white gas but regular gas may be used if the cooking area is properly ventilated. Can be preheated with alcohol, gasoline or solid fire tablets. Burns 1½ hours on one pint of fuel. Packed in a 5" x 7½" metal box. Wt. 1½ lbs. **U707**..... **$13.95**

I BLEUET BUTANE STOVE. This compact French stove is a delight to own. Uses an easily insertable, disposable cartridge for fuel supply. Regulating valve for heat control. One cartridge will burn for 2½ to 3 hours at maximum flame. Frustrations of priming, pumping and filling are gone . . . just crack the valve and light. Lightweight too . . . 1 lb. 9 oz. with full-cartridge. 8½" x 3½", stove w/one cartridge. **U710** **$9.00**

K Windscreen. 2 oz. **U710/w**..... **$1.00**

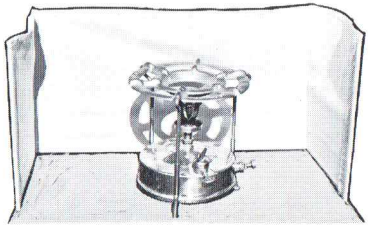
J EXTRA BUTANE CARTRIDGES FOR ABOVE STOVE AND LANTERN.
11 oz. ea. ..... **U711**..... **90¢**
Box of 6 ..... **U712**..... **$5.50**
Butane cartridges may not be shipped by Air Mail.



HEAT TAB STOVE WITH HEAT TABS: Emergency heat for quick warm-ups. Complete with box of fuel. Wt. 6 oz.
U716 ..... **$1.75**

HEATABS: Simple to use, just light with match. Box with sufficient tabs for 2 hrs. heat. Useful for starting fires and priming stoves. Wt. 2½ oz.
U717.... **60¢**
Box with sufficient tabs for 4 hrs. heat. Wt. 6½ oz. ..... **U718**.... **95¢**

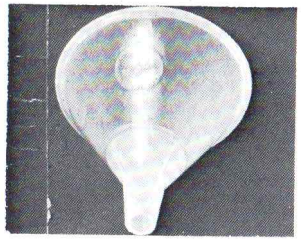
ALCOHOL STOVE. An excellent little stove for making a cup of tea or soup on the trail. 3¾" dia. x 2" high. 3 oz.
U715 ..... **$1.75**



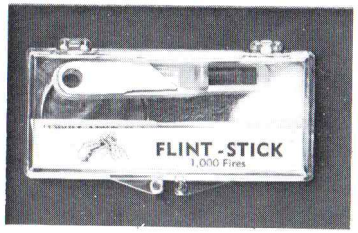
STOVE WINDSCREEN. Made of fire resistant cloth, sewn to alloy ribs which push into the ground. Increases cooking efficiency, especially in windy sites. 16" wide, 9" deep. Wt. 3 oz. **U750**...**$2.25**

COMPARATIVE CAMPSTOVE CHART

Model	Fuel	Capacity	Burning Time	Wt. of Stove	Boils Qt. Water in:
Svea 123	White gas	⅓ pt.	90 min.	1 lb. 2 oz.	6-7 min.
Primus 71L	White gas	½ pt.	90 min.	1 lb. 3 oz.	7-8 min.
Primus 96L	Kerosene	½ pt.	120 min.	1 lb. 14 oz.	6-7 min.
Primus 2063	Cartridge	cart.	3-4 hrs.	9½ lbs.	6-7 min.
Phoebus 625	White gas	1 pt.	90 min.	1 lb. 8 oz.	4-5 min.
Optimus 8RF	White gas	⅓ pt.	75 min.	1 lb. 9 oz.	6-7 min.
Bluet	Butane	cart.	180 min.	14 oz.	8-9 min.

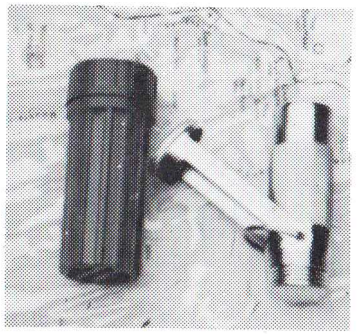


PLASTIC FUNNEL: Lightweight funnel of polyethylene. Fitted with screen mesh to filter gas for camp equipment. Wt. ¼ oz. **U911** ..... **35¢**



FLINT STICK. Gives off a high-temperature, fat spark that will ignite flammable gases and liquids or tinder. Comes in kit with flint, striker, tinder, and key-ring. The size of a house key but it could save your life. Weighs less than 1 oz. **E504** ..... **98¢**

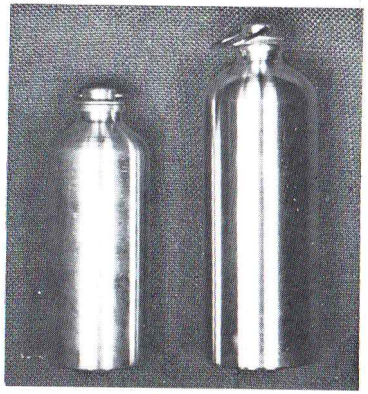
METAL MATCH. Makes fires without a match under all conditions. With a sharp object scrape particles of metal match onto tinder. To ignite, make a spray of sparks by striking the match rapidly. Wt. 1 oz. **E505** **$3.00**



MARBLES MATCH BOX. Made of seamless drawn brass with rough surface match scratcher on sides. 2¾" x 1". dia. Wt. 1 oz. **E507** ..... **$1.75**..

PLASTIC MATCH BOX. Waterproof hard plastic matchbox. Color: O.D. Cork gasket, striking flint. Size 2¾" x 1" dia. Wt. ¾ oz. **E506** ..... **45¢**

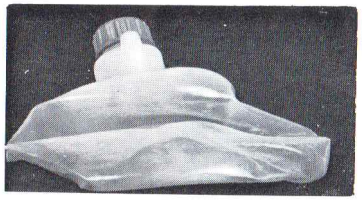
FUEL CONTAINERS. Tin alloy, leakproof, non-corrosive, flat type containers. Small brass pouring spout and brass filler cap. Built in filtering mesh screen. Made in West Germany. Three sizes:
Large (1 qt.; 4" x 1¾" x 9½")
Wt. 6½ oz. **U622** **$2.50**
Regular (1½ pint; 4" x 1¾" x 7")
Wt. 5½ oz. **U621** **$2.25**
Small (1 pint; 4" x 1¾" x 4½")
Wt. 4½ oz. **U620** **$2.15**



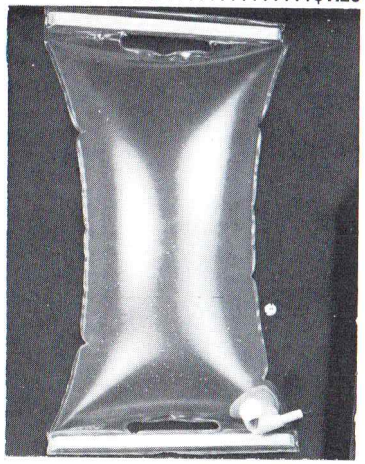
ALUMINUM BOTTLES. Leakproof and non-corrosive. In Red, Blue, and Gold. For fruit juices and other beverages: Imparts no taste. State color choice.
Pint Size: **U610** Wt. 3 oz. **$2.50**
Quart Size: **U612** Wt. 5 oz. **$2.75**
Non-Anodized. Less expensive. Good fuel bottle.
Pint Size: . **U600** Wt. 3 oz. **$1.75**
Quart Size: **U602** Wt. 5 oz. **$2.25**

PLASTIC JERRY CANS. A really tough, lightweight container that is crushproof, unsinkable and non-corrosive. Made of Scepterene, which will handle either water, gasoline, oils ,or any problem liquid. Comes with spout. Red, Yellow, White . . . (colors as available).
1 Gal. Wt. 17 oz. . . **U691** **$2.25**
2½ Gal. Wt. 1 lb., 6 oz. **U692** **$3.25**
5 Gal. Wt. 3 lbs., 3 oz. **U695** **$5.25**

PLASTIC BOTTLE WITH ATTACHED CAP. Made in Austria of non-breakable, soft polyethylene. The vertical corrugations on the front and back of this eight sided bottle give strength. The non-losable plug type stopper and the screw cap effectively seals bottle against leakage. Three sizes:
1 Qt. Wt. 3½ oz. **U632** **$1.25**
1½ Pt. Wt. 3 oz. **U631** ..... **95¢**
1 Pt. Wt. 2½ oz. **U630** ..... **75¢**

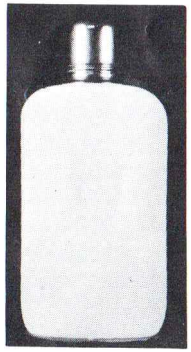


COLLAPSIBLE PLASTIC BOTTLE. When filled with liquid will stand upright. May be collapsed when empty. Leakproof plastic screw cap. Capacity 5 qt. Wt. 5 oz. **U655** **$1.25**

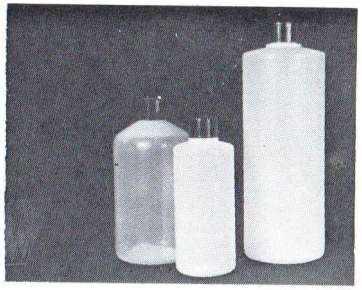


COLLAPSIBLE WATER BAG. Thick, flexible vinyl container holds 11 quarts. Rolls up to 1" x 1½". Removable spigot at bottom. Handles at both ends. Convenient water supply for an evening's cooking. Wt. 7 oz. **U662** **$3.50**

PLASTIC CANTEEN. The lightest of its type. All plastic; twist on cover; attached cap; belt clip. Holds 1 quart. Wt. 1½ oz. **U618** **$1.95**



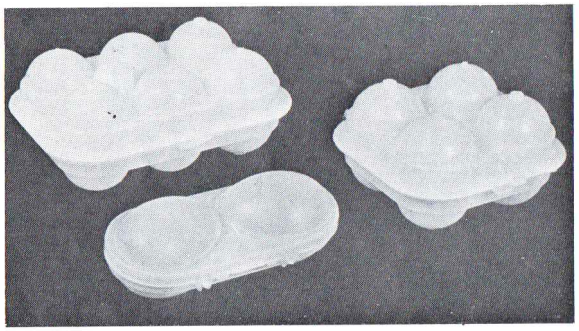
PLASTIC FLASK. Unbreakable. Translucent frosted finish. Shaped to fit hip. Two screw caps; inner one of plastic; outer one of metal which holds 1 fl. oz. Capacity of flask 10 fl. oz. Wt. 2½ oz. **U643** **$1.00**



POLYETHYLENE BOTTLES. Unbreakable. Lightweight. These bottles are excellent for carrying liquids, including water, cooking oils, syrups, etc.
Quart: Wt. 4½ oz. **U643** ..... **75¢**
Pint: Wt. 3 oz. **U641** ..... **60¢**
Half Pint: Wt. ½ oz. **U640** ..... **35¢**

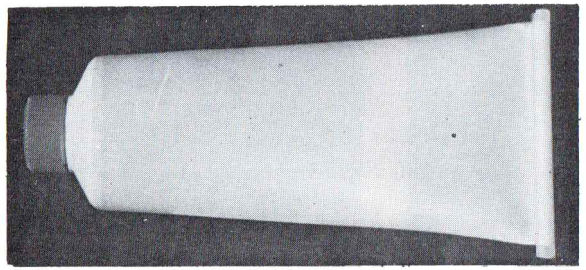
ALUMINUM PROVISION BOX. Comes with plastic container and hermetically sealing inside cover. This box offers the best way to pack butter, jams, condiments. Plastic insert is light and odorless. Plain finish.

	Diameter	Depth	Wt.	Price
U835	3½″	2″	2 oz.	$1.25
U840	4″	2¼″	3 oz.	$1.50
U847	4¾″	2¼″	4½ oz.	$1.75
U855	5½″	2½″	7 oz.	$2.50



PLASTIC EGG BOXES. We consider these to be a bit better than the aluminum "eggers" we carried previously. They won't dent or crush and cost ⅓ as much. Avg. wt. 4 oz.

For 2 eggs. U802.... 35¢ **For 4 eggs. U804**.... 49¢
For 6 eggs. U806.... 89¢ **For 12 eggs. U812**....$1.25



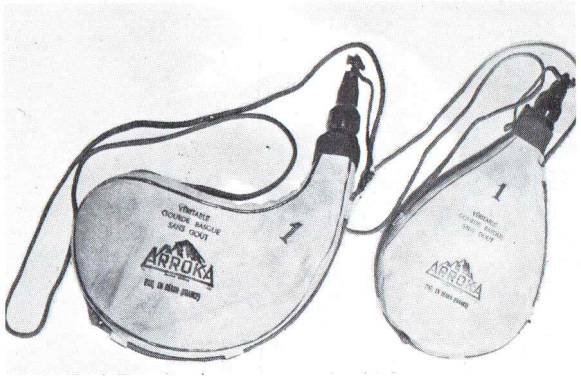
POLY-SQUEEZE TUBE. Solves the packaging problem for hard-to-carry foods: Jams, margarine, honey, peanut butter, etc. Refillable by disengaging the clip at the end. Eggs can be broken into the open tube; yolks will usually remain intact for quick and easy fried eggs in the morning. Wt. ½ oz. **U638**.....**ea. 30¢**
3 for .....**85¢** **extra clips** .....**3/20¢**

ALUMINUM SCOUT KETTLES. Swiss made nesting kettles of first-quality workmanship. Securely fastened bail handles which lock into upright position. The lid of each kettle also serves as plate or pan.

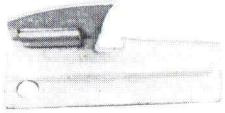
	Capacity	Diameter	Weight	Price
U016	2½ Pt.	6¼″	9 oz.	$3.50
U018	3½ Pt.	7¼″	11 oz.	$3.75
U020	5¼ Pt.	8″	15 oz.	$4.75
U022	7 Pt.	8¾″	17 oz.	$5.50
U024	8¾ Pt.	9¾″	20 oz.	$5.95

ALUMINUM DEEP PLATE. Made of hardened aluminum. All corners fully rounded. Top edge has a rolled welt. 8 inch diameter. Wt. 2¾ oz. **U401**.....**85¢**

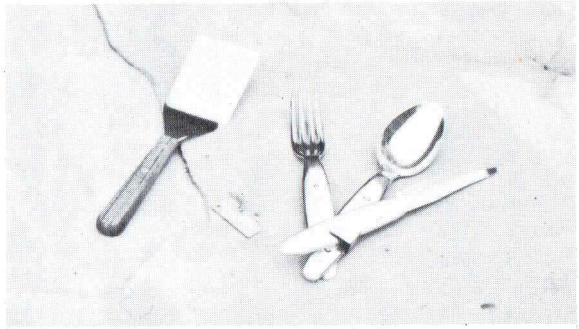
STEEL FRY PAN WITH DETACHABLE HANDLE. A sheet steel fabricated fry pan that will hold its shape longer and make frying much easier than aluminum. 8¾″ dia., 13 oz. **$2.25**
9¾″ dia., 15 oz. **U130**.....**$2.50**



AUTHENTIC BASQUE WINEBAGS. Made of natural, tan colored leather. Lined with tasteless clear coating to protect contents. Trimmed in bright red piping and fitted with red sling cord. The contents can either be poured from the filler spout or squirted in a fine stream. French import.
1 Qt. Teardrop shape. 5 oz.....**U682**.....**$5.00**
1½ Qt. Teardrop shape. 6 oz.....**U683**.....**$6.00**
1 Qt. Kidney shape. 5 oz.....**U680**.....**$6.00**
1½ Qt. Kidney shape. 6 oz.....**U681**.....**$7.00**

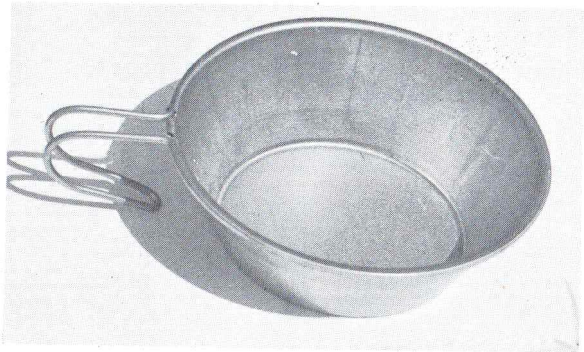


HANDY OPENER. Folding opener for all cans, one of the noblest products of the U.S. Army. Tiny, lightweight, efficient. When carried on keychain, it's always ready, doubles as screwdriver and pries off lids. Weight ⅛ oz. **U910**.....**2/25¢**



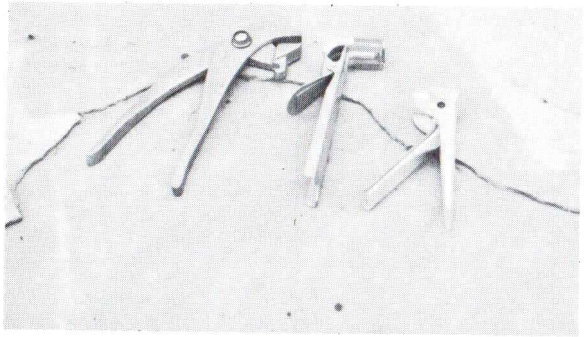
SPATULA. Ever wish you had a small spatula in your cooking gear? One that was rustproof, light, compact, and that would not break or fall apart the first time you used it? Well this is it. Spring stainless steel blade that is set into a hardwood handle with brass rivets. Two sizes.
#1 Blade 2″ x 2¾″ 7″ overall. Wt. 1½ oz. **U901**.....**$1.50**
#2 Blade 2″ x 4″ 9¾″ overall. Wt. 2½ oz. **U902**.....**$2.00**

KNIFE FORK SPOON SET. British import. All aluminum except for knife blade which is Sheffield stainless steel. Clip holds utensils firmly together. 3½ oz. **U403**.....**$1.50**



SIERRA CLUB STAINLESS STEEL CUP. Stainless steel is far superior to other metals because it is less prone to heat up when filled with hot liquids. The open end steel wire handle remains cool and can be hooked easily onto belt. Multi-purpose design for holding stewed fruits, cereals, etc. as well as beverages. 4½″ diameter at top, 3⅛″ at base, 1½″ deep. Wt. 3 oz. **U400**.....**$1.00**

TOKYO TOP SALT AND PEPPER SHAKER. From Japan. Plastic container having compartment on one end for salt and compartment on other end for pepper. Plastic caps screw over holes to seal shaker. Size 1¼″ dia. x 2¾″ long. Wt. 1 oz. **U807**.....**75¢**

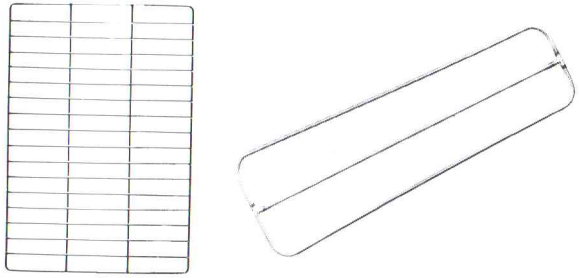


HOT POT TONGS. Easily solves the problems of handling hot cooking gear. All aluminum construction makes it lightweight and rust-proof. Has hook for lifting pots. Weighs only 4 oz.
U905 .....**95¢**

POT GRIPPER. Made of lightweight pressed steel. Spring-loaded grip stays secure. Better for very heavy pots than the aluminum model. Handle is 6″ long. Weight 3½ oz. **U907**.....**60¢**

ALUMINUM POT GRIPPER. Just the thing for hot pots, pans, cans, etc. Automatic release. 4¾″ long. Weight 1¼ oz. **U906**....**55¢**

WIRE GRILL. For cooking over campfire. Steel. Legs fold flat. Size 11″ x 17″ x 11″ high. Weight 2 lbs. **U503**.....**$1.95**



WIRE GRILL. Simple, lightweight platform type grill without legs. Nickel plated. Size 9″ x 13″. Wt. 5 oz. **U502**.....**$1.75**

BACKPACKER GRILL. An extremely lightweight, useful and adaptable grill, made of stainless steel tubes brazed together. Has room enough for two pots on its 4½″ x 15½″ cooking surface. Fits anywhere for cooking purposes. Includes lightweight fabric case. Weighs only 3 oz. **U501**.....**$4.95**

TWO MAN MOUNTAIN COOKSET. A strong and compact set consisting of two aluminum pots with bail handles, and a steel frying pan with a stout handle that folds flat to the side. Just large enough to nest a Primus 71L inside. This classic becomes harder to get every year. 8″ diam., 4″ high. Weight: 23 oz.
U310 .....**$5.95**

SAFARI ONE-MAN COOKSET. Spun aluminum from West Germany. Includes 8″ deep plate, 7″ fry pan, 2½″ x 6¼″ dia. pot with lid, large fork-spoon combination, spring pot gripper and plastic cup. Packs into neat unit 2½″ x 8″ diameter. Exceptionally lightweight and an excellent value. Wt. 17½ oz. **U301**.....**$3.75**

REFLECTOR OVEN. Reflector walls made of reflective aluminum; baking tray of light sheet steel for heat retention. The open ends reduce weight but do not impair baking efficiency. Quick, stable assembly. Oven can be moved without collapsing. For baking and roasting. Mountain tested. Tray size 10″ x 12″. Oven folds to 12″ x 14¾″. Wt. 1 lb. 14 oz. **U501**.....**$7.95**

12 foods

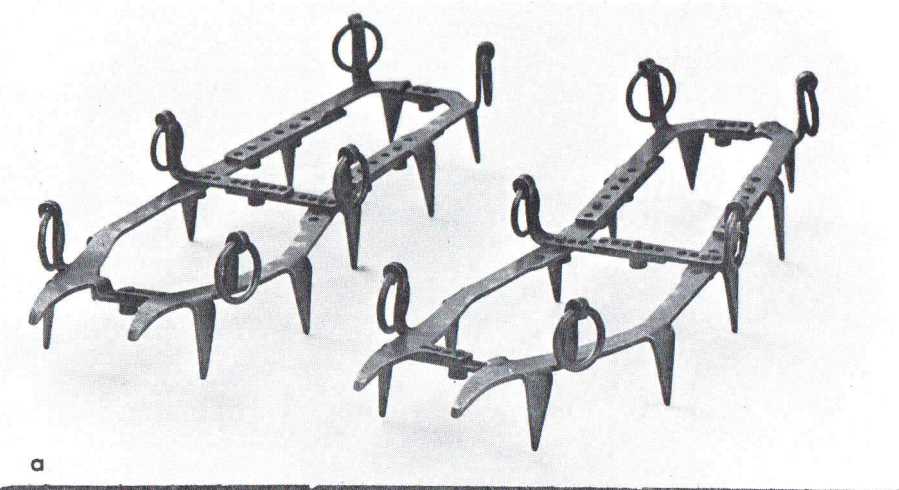
KEY TO SUPPLIERS

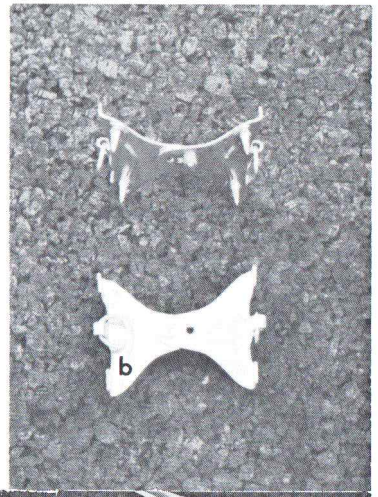
RM Richmoor
DL Dri-Lite
KP Kamp Pack
T Trailwise
W Wilson

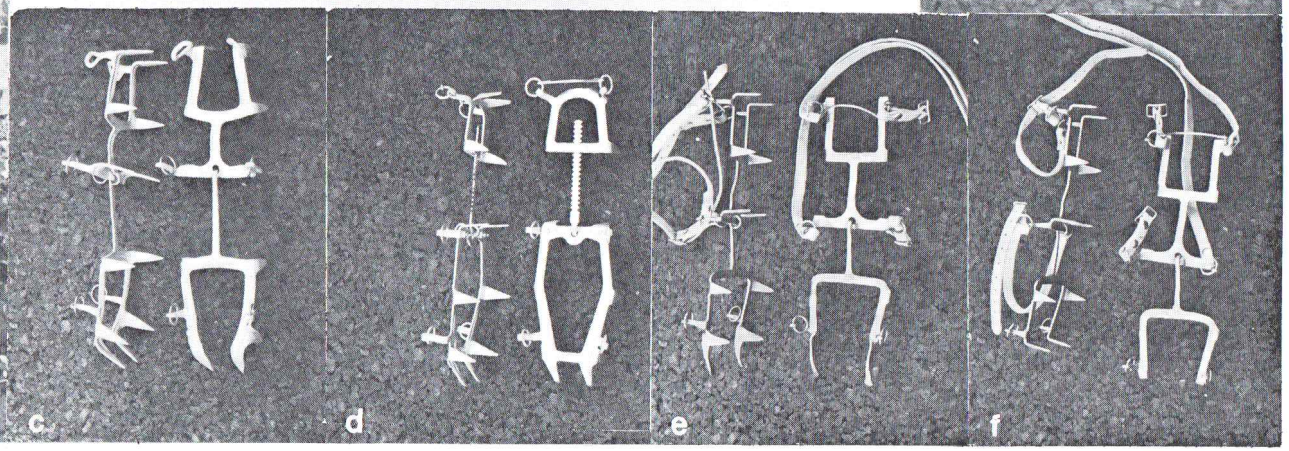
item	net. wt.	servings	price	number	total
Beef jerky	16 oz.		5.75		
Beef steaks (W)	2 oz.	2	2.00		
Pork chops (W)	2 oz.	2	1.40		
Hamburgers (W)	3½ oz.	3	1.10		
Diced ham (W)	1 oz.		.64		
Beef patties (W)	1½ oz.	2	1.00		
Pork patties (W)	1½ oz.	2	1.00		
Meatballs (W)	2 oz.	2	1.10		
Meat bars (W)	3 oz.		1.35		
Bacon bars (W)	3 oz.		1.15		
Swift's pre-fried bacon (W)	6½ oz.		1.50		
RICHMOOR PACKAGED MENUS — Ave. wt. Under 2 lbs.					
Breakfast #1		4	1.95		
Instant applesauce					
pancake mix					
maple syrup mix					
sweet milk cocoa					
vegalene					
Breakfast #2		4	2.55		
orange juice drink					
eggs 'n bac-o-bits					
hashed brown potatoes					
sweet milk cocoa					
vegalene					
Breakfast #3		4	2.55		
peach slices w/sugar					
brown'n'serve sausage					
cornbread mix					
maple syrup mix					
sweet milk cocoa					
vegalene					
Breakfast #4		4	3.20		
instant applesauce					
scrambled eggs w/freeze dried ham					
hashed brown potatoes					
sweet milk cocoa					
vegalene					
Breakfast #5		4	2.55		
fruit cocktail w/sugar					
melba toast					
French toast mix					
maple syrup mix					
sweet milk cocoa					
vegalene					
Lunch #1		4	2.45		
swiss cheese with bako crisps					
melba toast					
beef jerky					
fruit punch					
Lunch #2		4	2.35		
spicy apple chips					
grape jelly spread					
peanut butter spread					
pilot biscuits					
vanilla shake mix					

item	net. wt.	servings	price	number	total
Lunch #3		4	2.25		
canned corned beef					
blackberry jelly spread					
pilot biscuits					
chocolate shake mix					
Lunch #4		4	2.55		
canned chopped beef					
cheddar cheese spread					
pilot biscuits					
strawberry shake mix					
Dinner #1		4	3.05		
chicken rice soup					
chili mac w/beef					
chocolate pudding					
fruit punch beverage					
Dinner #2		4	3.05		
freeze dried corn					
chicken a la king					
instant mashed potatoes					
vanilla pudding					
orange beverage					
Dinner #3		4	3.65		
tomato noodle soup					
vegetable beef stew					
dumplings (biscuit mix)					
butterscotch pudding					
pineapple-orange beverage					
Dinner #4		4	3.00		
vegetable beef soup					
quick chicken rice dinner					
French apple compote					
lemon beverage					
Dinner #5		4	3.35		
French onion soup					
beef stroganoff w/noodles					
banana cream pudding					
grape beverage					

item	net. wt.	servings	price	number	total
BREAKFAST DISHES					
Familia Birchermuesli	oz.				
Eggs 'N Bac-O-Bits (RM)	4¼ oz.	4	.96		
Scrambled eggs (RM)	3 oz.	4	.86		
Pancake mix (RM)	12 oz.	4	.58		
Maple syrup mix (RM)	6½ oz.	4	.31		
Oatmeal w/ sugar and milk (RM)	10½ oz.	4	.47		
Western Omelette (RM)	4½ oz.	4	.96		
DINNER DISHES WITH MEAT					
Creamed chicken w/ noodles (DL)	11 oz.	4	2.10		
Vegetable beef stew (RM)	8 oz.	4	2.05		
Chili mac w/ beef (RM)	11 oz.	4	1.73		
Quick chicken rice dinner (RM)	11 oz.	4	1.73		
Western hash w/ beef (RM)	9½ oz.	4	1.67		
Chili beef dinner (RM)	12½ oz.	4	1.73		
Beef stroganoff w/ noodles (RM)	12 oz.	4	2.10		
Chicken a la king (RM)	6½ oz.	4	1.35		
Turkey supreme w/ noodles (RM)	12 oz.	4	2.05		
Sunset supper (DL)	7½ oz.	4	2.05		
MEATLESS DINNER DISHES					
Chili'n'beans (DL)	10 oz.	4	.82		
Spanish rice (DL)	9 oz.	4	.74		
Corn chowder (DL)	7 oz.	4	.82		
Vegetable stew (DL)	5 oz.	4	.82		
Macaroni and cheese (DL)	12 oz.	4	.92		
Spaghetti w/ tomato sauce (RM)	9 oz.	4	.92		
Boston bean dinner (RM)	13½ oz.	4	.92		
SEAFOOD DINNERS					
Clam chowder (RM)	9 oz.	4	1.45		
Shrimp Creole (RM)	10 oz.	10	2.25		
BEVERAGES					
Swiss peppermint tea	¼ oz.	2	.13		
Wylers fruit-ade mixes					
Strawberry	3 oz.	1 qt.	2/.25		
Cherry	3 oz.	1 qt.	2/.25		
Grape	3 oz.	1 qt.	2/.25		
Orange	3 oz.	1 qt.	2/.25		
Lemonade	3 oz.	1 qt.	2/.25		
Pineapple-grapefruit	3 oz.	1 qt.	2/.25		
Lime	3 oz.	1 qt.	2/.25		
Nestle instant cocoa	1 oz.	1	.65/dz.		
Instant coffee—freeze-dried	—	1	.65/dz.		
Fruit punch (RM)	6 oz.	7	.43		
Orange juice (RM)	4 oz.	4	.54		
Tomato juice crystals (RM)	4 oz.	3	.43		
Chocolate shake (RM)	10 oz.	4	.65		
Strawberry shake (RM)	10 oz.	4	.65		
Vanilla shake (RM)	10 oz.	4	.65		
Vanilla eggnog (DL)	7½ oz.	4	.60		
Chocolate malt drink (DL)	6 oz.	6	.52		
Orange juice crystals (KP)	4½ oz.	4	.66		
Orange juice crystals (KP)	9 oz.	8	1.20		
FRUITS, SALADS AND DESSERTS					
Sierra Salad (gelatin mix) (DL)	4 oz.	4	.50		
Fruit salad (DL)	6 oz.	4	.65		
French apple compote (RM)	5½ oz.	4	.54		
Puddings:					
Chocolate (RM)	6 oz.	4	.50		
Vanilla (RM)	5 oz.	4	.43		
Butterscotch (RM)	5 oz.	4	.43		
Banana cream (RM)	6 oz.	4	.50		
Apricot slices w/ sugar (RM)	6 oz.	4	.83		
Peach slices w/ sugar (RM)	6 oz.	4	.65		
Fruit cocktail w/ sugar (RM)	6 oz.	6	.75		
Instant applesauce w/ sugar (RM)	4¼ oz.	4	.54		
Spiced apple chips (RM)	3½ oz.		.71		
Fruit mix (RM)	4 oz.		.60		
Date bits (RM)	4 oz.		.43		
Pear slices (RM)	4 oz.		.54		
HIGH ENERGY LUNCH AND SNACK FOODS					
Hershey tropical no-melt chocolate	1 oz.	1	.07		
H&M Kwik-lunch	4 oz.	1	.69		
H&M pemmican fruit bar	1 oz.	1	.15		
H&M trail biscuits (pkg. of 8)	5 oz.		.35		
H&M chocolate malt tabs	4 oz.		.39		
H&M cherry sucrose drops	4 oz.		.25		
Swiss jam (strawberry, apricot, raspberry, black cherry, lingonberry) in tubes	7 oz.		.89		
Ricola Swiss herb candy	3 oz.		.50		
Rum fudge bar	7 oz.		1.35		
Tex-schmeltz traubensucker lemon or chocolate candy	2 oz.		1.25		
Semi-sweet chocolate	8 oz.		.46		
Kendall Mint Cake bar	8 oz.		.40		
MISCELLANEOUS ITEMS					
Darigold canned butter	16 oz.		1.75		
Sourdough starter	1½ oz.		1.00		
Gravy Quik	1½ oz.	6	.24		
Vegelene	4 oz.		1.00		
Biscuit mix (RM)	11½ oz.	4	.43		
Cornbread mix (RM)	9 oz.	4	.43		
SOUPS					
Maggi Swiss soups	2½ oz.	4	.36		
Ham with pea					
Mushroom					
Oxtail					
Onion					
Chicken noodle					
Asparagus					
Spring vegetable					
Egg macaroni					
Cream of potato (RM)	4½ oz.	4	.42		
French onion (RM)	4½ oz.	4	.42		
Vegetable beef (RM)	4½ oz.	4	.49		
VEGETABLES					
Onion flakes (T)	4 oz.	4	.53		
Cabbage flakes (T)	4 oz.	4	.70		
Hashed brown potatoes (RM)	4 oz.	4	.43		
Corn (freeze-dried) (RM)	2¼ oz.	4	.49		
Peas (freeze-dried) (RM)	2¼ oz.	4	.54		
Peas and carrots (RM)	2¼ oz.	4	.49		
Green beans (RM)	1 oz.	4	.49		
Tomato flakes (DL)	1 oz.	4	.42		
PLAIN MEATS					
Beef jerky	2 oz.		.79		
Beef jerky	4 oz.		1.50		
Beef jerky	18 oz.		2.95		







a **NANGA PARBAT ICE AXE** with ash handle. Thin bladed pick with deeply serrated tip grips well in ice. Short distance to scalloped edge of adze provides leverage for cutting ice. Lightweight, ave. 1 lb. 12 oz. Approximate lengths from 29″ to 39″. **MA207** **$17.95**

b **GRIVEL ICE AXE.** Has a high strength laminated shaft with superbly forged head. This outstanding axe is another addition to Grivel's fine line of mountain climbing equipment. The laminated handle is not only beautiful in appearance, but it also offers exceptional strength. This axe is rated one of the finest ever made. Length, 34″, 36″, 38″ and 40″. Wt. of 36″ axe, 2 lbs. 6 oz. **MA205** **$23.95**

c **ASCHENBRENNER GUIDE ICE AXE.** Features a curved adze which prevents the corners from jamming when cutting steps. Ave. wt. 38 oz. Sizes 32″-40″. **MA202** **$19.50**

a **CHOUINARD TWELVE POINT CRAMPONS** Fully adjustable rigid design provides stiffness throughout the crampon for unexcelled point penetration on technical ice and security on rock. Adjustability in both length and width provides a perfect fit on boot sizes 5 to 14. The point length is 32mm (1¼″) for use on both snow and ice and points are aligned on the edge of the sole for efficient utilization of small rugosities on the slopes. Front points are wide and curved for maximum penetration in hard ice and for minimal shearing action on snow or granular ice. Aircraft quality alloy steel is used for low temperature strength and **the Chouinard crampon is guaranteed against breakage.** Entire crampon is cadmium-plated to prevent rust. Note: Production model will feature limited-travel rings which cannot flap to the inside—they do not appear in the photograph.
MC700 ..... **$30.00**

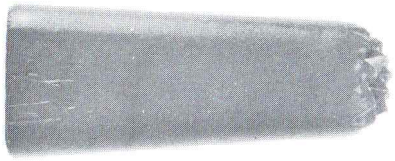
b **STUBAI FOUR POINT INSTEP CRAMPONS.** Recommended for limited use where short stretches of ice must be crossed. Useful for ski-touring. Adjustable. Hemp straps included. Wt. 11 oz. complete. Send boot outline when ordering. **MC204**..... **$3.75**

c **SIMOND EVEREST 12-POINT CRAMPONS.** Truly a crampon for the most difficult of ice climbing. The long (1½″) points are definitely superior for most snow conditions; broad toe points provide better grip on steep, technical walls. Ave. wt. 1¾ lb. Send outline of boot sole when ordering. **MS512** **$23.50**

d **SALEWA ADJUSTABLE CRAMPONS.** Can be adjusted to fit any boot—and fit it well. Enough latitude to accommodate from size 6 to 13, any width. An exceptionally strong crampon, for the most difficult of ice climbing. Twelve points, including downward-projecting toepoints. Curved front coincides with rocker of boot sole for closest fit. Wt. 1 lb. 6 oz. **MC612**..... **$14.95**

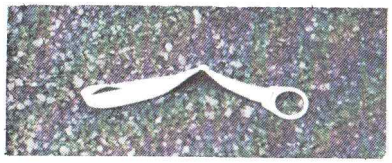
e **GRIVEL TWELVE POINT CRAMPON.** Constructed of a strong steel alloy. Depth of point is approximately 1¼″. Leather straps riveted to crampon included in the price. Ave. wt. 1 lb. 6 oz. Send outline of boot sole when ordering. **MC400** **$21.50**

f **GRIVEL TEN POINT CRAMPON.** Same quality and point depth as 12-point. Straps included. Ave. wt. 1 lb. 4 oz. Send outline of boot sole when ordering. **MC401**..**$19.50**



ICE AXE RUBBER TIP PROTECTOR. Very hard rubber tip, serrated at bottom, with tapered hole for ice axe point. Can be used when walking with axe. 2½″ long, wt. 1 oz.
MA222 ..... **50¢**

RUBBER COVER FOR ICE AXE HEAD. Molded in one piece. Will stretch to fit ice axe head. Wt. 1½ oz. **MA221**..... **$1.95**



ICE AXE REPLACEMENT GLIDE RING AND HAND STRAP. ¾″ white Nylon web strap with aluminum glide ring and stop screw. Fits all axes listed. Wt. ½ oz.
M110 ..... **$1.25**

CRAMPON SPIKE PROTECTOR. Rubber caps completely cover sharp crampon spikes. Unit molded rubber will stretch to fit various size crampons. Specify for 10 or 12 points. Wt. 2½ oz. **M102** **$1.25**

LONGTHONG CRAMPON STRAPS. Strong Nylon straps with quick-release buckle, 62″ long. Wt. 3 oz. **M108** **$3.00**

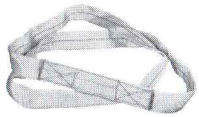
GRIVEL TYPE CRAMPON STRAPS. Strong Nylon webbing with quick-release buckles. Easy to attach to crampons with dot rivets provided. Fit any crampons which may have rings for attaching straps. Wt. 5 oz.
M106 ..... **$3.50**

EDELRID PERLON CLIMBING ROPE. This West German import has replaced all other types of climbing ropes on the Continent. Its unique inside construction is covered with a woven exterior sheath. The strongest, easiest handling rope available. Does not twist or spin. Does not stiffen when wet. Red, white or gold.
11 mm dia. by 120′. Wt. 5¾ lbs. Test 5900 lbs. **CP712** **$35.95**
11 mm dia. by 150′. Wt. 7 lbs. Test 5900 lbs. **CP715** **$39.50**
9 mm dia. by 150′. Wt. 4½ lbs. Test 4500 lbs. **CP315** **$29.50**

PLYMOUTH GOLDLINE CLIMBING ROPE. A synthetic gold colored fiber woven into three strand 'hard lay' especially for mountaineering use. Retains 90 to 95% strength when wet. The 7/16″ diameter is recommended for continuous climbing whereas the ⅜″ dia. is satisfactory for moderate climbing or most belaying requirements on ice or snow.

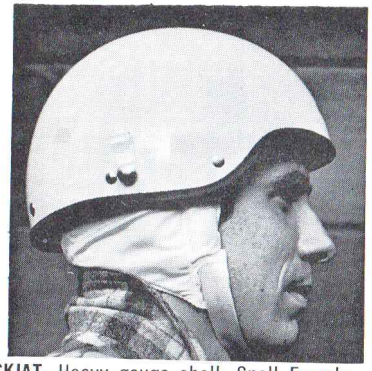
7/16″ dia. x 120′ ave. test 5550 lbs. Wt. 7⅛ lbs. **CG712** **$25.50**
7/16″ x 150′ ave. test 5550 lbs. Wt. 8¾ lbs. **CG715** **$32.00**
⅜″ x 120′, ave. test 4000 lbs. Wt. 4⅛ lbs. **CG312** **$18.75**
⅜″ x 150′ ave. test 4000 lbs. Wt. 5½ lbs. **CG315** **$23.50**
5/16″ bulk. ave. test 2950 lbs. **CG516** ..... **11¢ foot**
¼″ bulk. ave. test 1950 lbs. **CG014** ..... **8¢ foot**
⅜″ bulk. ave. test 4000 lbs. **CG038** ..... **15¢ foot**
7/16″ bulk. ave. test 5550 lbs. **CG716** ..... **22¢ foot**

NYLON TUBULAR SLING MATERIAL: Three Sizes.
1″ width, Ave. test 4800 lbs. 1½ oz. per yd. **TN100** ..... **10¢ foot**
⅝″ width, Ave. test 1850 lbs. Wt. 1 oz. per yd. **TN016** ..... **5¢ foot**
½″ width, Ave. test 1000 lbs. Wt. ¾ oz. per yd. **TN012** ..... **4¢ foot**



NYLON TUBULAR SLING. Loop made from 1″ width tubular Nylon, strongly stitched with Nylon thread. Ultimate strength, looped over a bar: 4700 lb. Wt. 2 oz.
M105/96 (96″ circ.) **$1.75**
M105/51 (51″ circ.) **$1.65**
M105/48 (48″ circ.) **$1.25**
M105/44 (44″ circ.) **$1.25**

BELL FIBERGLAS ROCK HELMET. These hard hats combine the greatest possible protection with the least possible weight. Both models have a piece of foam padding on the inside top, over the crushable liner. Thickly padded Nylon band provides comfort against head. Two models:

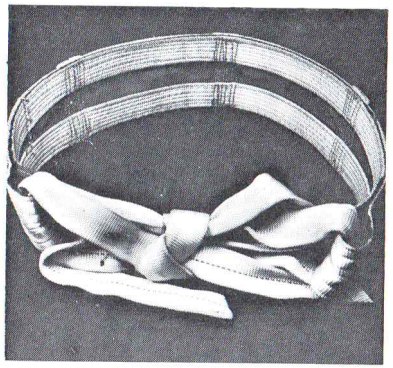


SKIAT: Heavy gauge shell; Snell Foundation approved. Collar wraps around back of head and ears. Wt. 1¾ lbs.
HT102 ..... **$30.00**

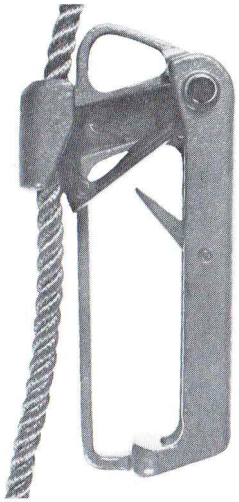
MALIBU. Standard gauge fiberglas shell, simple ¾″ chinstrap. Wt. 1½ lbs. Available in either orange or white. Specify color preference. **HT103** **$15.00**

SNOW GOGGLE. Ventilated aluminum frame. Cushioned by molded rubber attached to rim of frame. Adjustable elastic head band. With plastic lenses, wt. 1 oz. **ME101**..**95¢**
Spare lenses ..... **pr. 20¢**

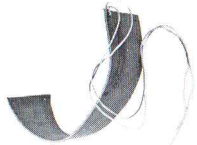
SAFETY GLASSES. An ideal glass for skiers and climbers. Frames are tough cellulose acetate butyrate. Dark green Calobar lenses made of "Super Armorplate" glass. Lens mountings designed to prevent glass being driven toward eye if blow is received by glasses. Green perforated side shields. Five barrel hinges are corrosion-resistant.
Wt. 2 oz. **ME102** **$5.00**



"SWAMI BELT" with carabiner loops. Particularly useful for tension climbing. Offers good support to small of back. For general climbing, allows easy tie-in and saves useful lengths of climbing rope. Extremely strong construction of Nylon web. 3″ wide tapering to 2″ at front. **M101**.....**$7.00**

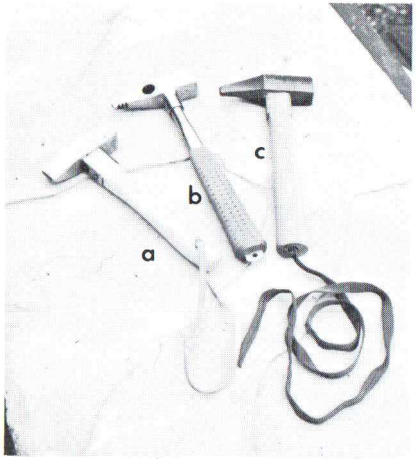


JUMAR ASCENDER. Swiss made device for ascending ropes. Replaces the use of Prussik knots. Strongly constructed of cast aluminum alloy. Can be used on ropes ¼″ to ½″ diameter. Each ascender comes with sling. Used in pairs. Total wt. with sling rope 11 oz. ea. **HE103**....**ea. $15.00**
pr. $29.50



FLAT LEATHER RAPPEL PATCH. A 4″ x 20″ piece of thick latigo leather. Two punched holes with thongs. 8 oz. **M103**.....**$2.95**

BELAY SEAT. Provides adjustable feature for more comfort while belaying or during bivouacs. Nylon fabric with nylon cord for attachment to carabiner. Wt. 5 oz.
M112.....**$4.50**

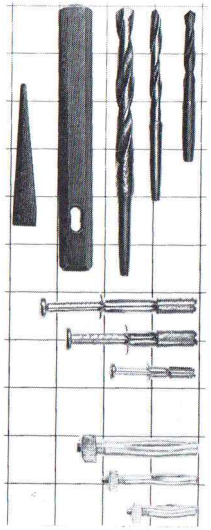


a **PITON HAMMER MODEL 'C'.** Made in Germany, chisel end. Ash handle with leather thong. The head is anchored with iron straps. 9½" handle. Wt. 1¼ lb.
HH101 ..... **$2.95**

b **CMI HAMMER**
This exceptional hammer is perfectly balanced; head is made of solid tool steel, hardened and perfectly tempered. Shaft is thick-walled aircraft tubing fastened to head with a patented process and pinned with a hardened drill rod. Serrations on pick for extracting pitons; carabiner hole. Hard rubber grip with cord tie-on. One year guarantee. Each hammer is serial numbered. Weight 24 oz., Length 12⅜".
Rock Climber **HH300** **$14.95**

c **CHOUINARD YOSEMITE HAMMER.** From the maker of the world's finest technical rock equipment. Prototypes of this hammer were six years in the testing by Yvon Chouinard and Tom Frost on the great rock walls of North America. Perfectly balanced 18 oz. head is mounted on a handle of American hickory. Blunt pick serves dual purpose: To pound pitons in tight places; and to pry when necessary. Each hammer comes with a permanently attached shoulder sling. Overall wt. 22 oz. **HH202**..... **$10.00**

HAMMER HOLSTER. Leather. Riveted construction. Slits for belt. Holster is located up close to belt slits so it will not rotate when pulling hammer out. Wt. 1 oz.
HH110 ..... **$1.50**



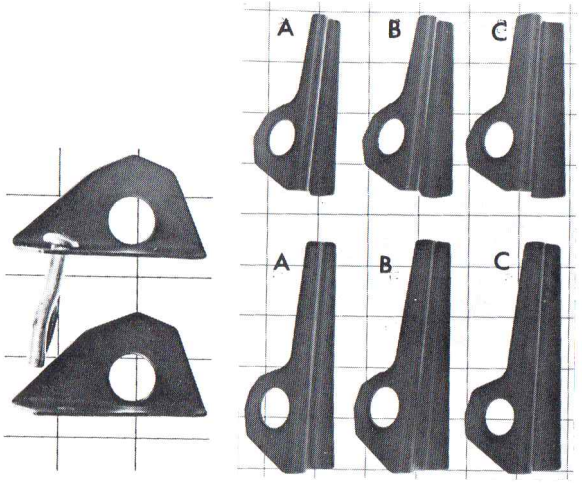
BOLT EQUIPMENT

HOLDER FOR ¼" AND ⅜" DRILLS. 8 oz.
HN100 ..... **$1.75**

DRILLS: These are two-flute, for faster drilling times.
¼" size for rawl bolts
HN214 ..... **$1.25**
¼" size for ¼" Star Dryvins
HN414 ..... **$1.25**
⅜" size for Rawl or Star Dryvins
HN238 ..... **$1.65**
Above drills are made by Diamond and all will fit the holder listed above.

BOLTS: Rawl type:

¼" stud x 1½"	**HN514**.....	**$ .18**
¼" stud x 2"	**HN614**.....	**$ .20**
⅜" x 2½"	**HN638**.....	**$ .30**
Star Dryvin type:		
¼" x 1"	**HN714**.....	**$ .11**
⅜" x 1½"	**HN838**.....	**$ .18**
⅜" x 2"	**HN938**.....	**$ .20**



1) **LEEPER CARABINER HANGER WITH COMPRESSION BOLT.** Chrome-moly hanger 1/16" stock. ¼" rawl drive. 1½" long. Wt. 1½ oz. **HL910**..... **ea. $ .40**

2) **LEEPER CARABINER HANGER WITHOUT BOLT.** Chrome-moly steel 1/16" stock. Specify ¼" or ⅜" bolt hole size. Wt. ⅞ oz. ¼"—**HL914**: ⅜"—**HL938**..... **ea. .25**

LEEPER CHROME-MOLY PITONS

MODEL A: To fit cracks 5/16" to 7/16" wide.
1½" blade, 2 oz..... **HL503**..... **$1.00**
2½" blade, 2½ oz..... **HL504**..... **$1.00**

MODEL B: To fit cracks 7/16" to 9/16" wide.
1½" blade, 2½ oz. ..... **HL703**..... **$1.00**
3" blade, 3½ oz. ..... **HL704**..... **$1.00**

MODEL C: To fit cracks 9/16" to 11/16" wide.
1¾" blade, 3 oz. ..... **HL903**..... **$1.15**
3½" blade, 4½ oz. ..... **HL904**..... **$1.15**

a **SKI HUT OVAL CARABINER.** Aluminum alloy. Tests about 3000 lbs. Wt. 2 oz.
HK101 ..... **$2.50**

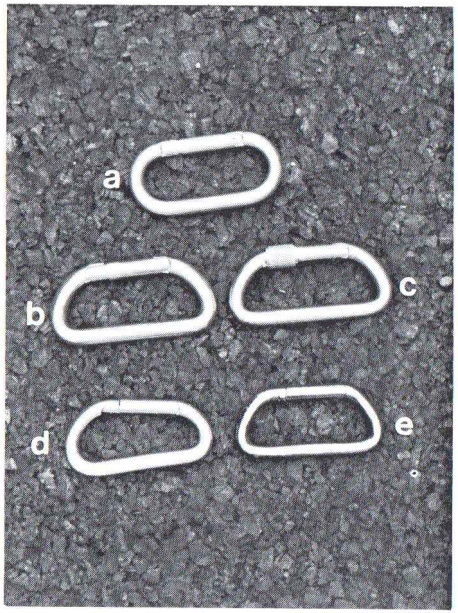
b **BONAITI CARABINER.** Aluminum alloy. Tests about 4800 lbs. Wt. 2¾ oz.
HK215 ..... **$2.75**

c **BONAITI LOCKING CARABINER.** Aluminum alloy. Tests at 5000 lb. Wt. 2 4/5 oz.
HK216 ..... **$2.75**

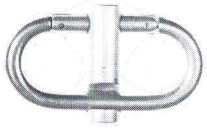
d **CASSIN STANDARD CARABINER.** Steel. Tests about 2860 lbs. Wt. 4¼ oz.
HK210 ..... **$1.50**

e **CHROME-VANADIUM STANDARD CARABINER.** Extra high strength. Tests about 7500 lbs. Wt. 4½ oz. **HK213**.... **$2.95**

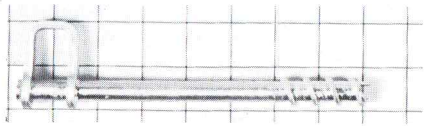
CHOUINARD CARABINER. Aluminum alloy. Tests about 4500 lbs. Wt. 2⅓ oz.
HK100 no photo..... **$3.50**



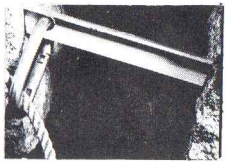
BRAKE BAR. Made of aluminum. For friction braking on rappels. Machined to fit Ski Hut oval carabiner. Wt. 1½ oz. for bar only.
HK300 ..... **$1.00**



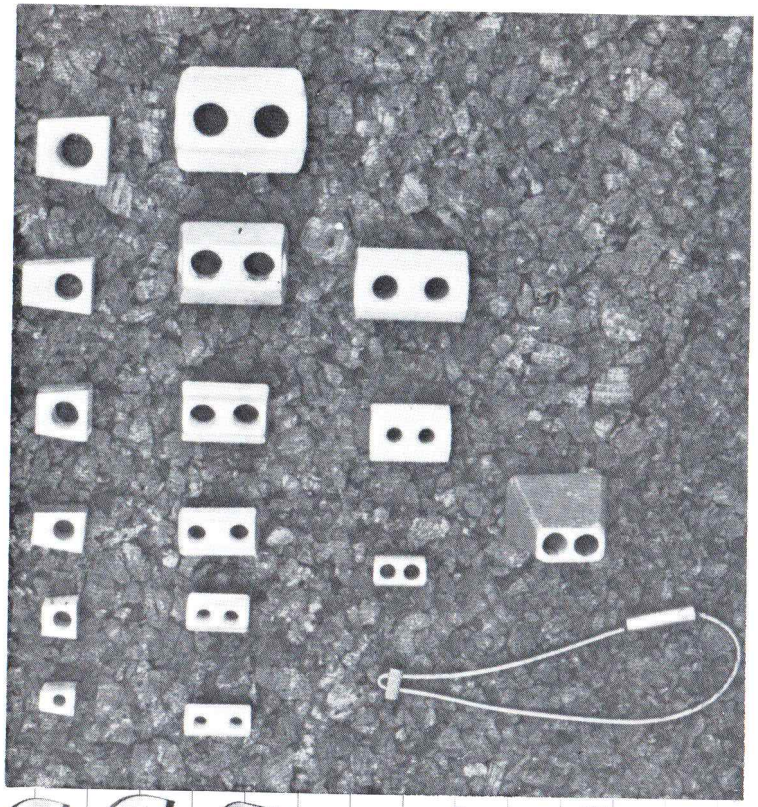
SALEWA HOLLOW TUBE ICE SCREW. A machine tooled ice screw designed for maximum strength and holding power. Three sizes:
5". Weight 3 oz. **HS905**..... **$3.95**
6½". Weight 4 oz. **HS906**..... **$3.95**
12". Weight 6 oz. **HS907**..... **$3.95**

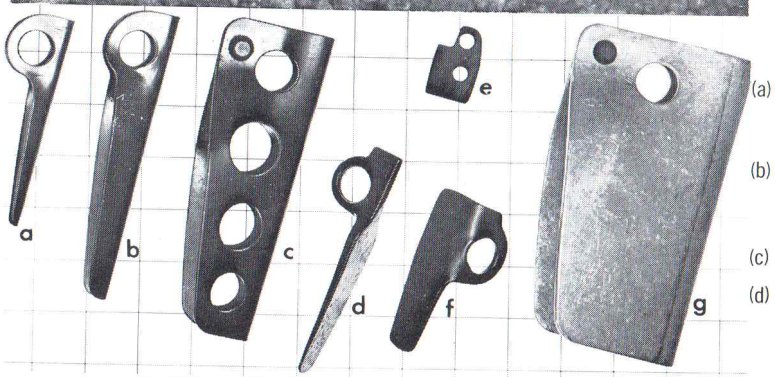


LONGWARE T-PIN PITON. Aluminum alloy piton of T-shaped stock. Application is to wide cracks. Piton hammered in across crack as shown above. Ave. wt. 2½ oz. Lengths as below.
4", 5", 6" **HD904**..... ea. **54¢**
7", 8", 9". **HD907**..... ea. **70¢**
10", 12". **HD910**..... ea. **85¢**



DIRECT AID SLINGS. Two 16' lengths make up into two slings approximately 67" long. 1" nylon sling material tests approximately 4800 lbs. Assembly directions enclosed. Colors: Red, Green, White. Wt. 15 oz.
M113 ..... **$3.95**





g **ALUMINUM BONGS:** Four Sizes

2". Wt. 10 oz.	**HY610**	**$2.00**
2½". Wt. 6½ oz.	**HY611**	**$2.25**
3". Wt. 8 oz.	**HY612**	**$2.50**
4". Wt. 10 oz.	**HY613**	**$2.50**

CHOUINARD CLIFFHANGER: Extremist device to hook on small rugosities and flakes with the view of eliminating bolts. 2 oz. **HY009** **$1.50**

CLIMBING NUTS

For years British climbers have advocated the use of chocks and nuts for protection on their difficult leads. Clogwyn Wedges and Hexagonals and Peck's Crackers have only recently become available in the United States. Beautifully designed with precision machining, these climbing nuts are a worthwhile complement to any piton selection. They are far lighter than pitons, being formed of high-strength aluminum, and they are easier to place and remove—saving time and strength. Because of their method of placement, climbing nuts do not aggravate expanding flakes and they work in cracks too shallow for proper piton placement. They may be used in at least one-third of the situations formerly requiring pins.

Larger nuts offer excellent protection on free climbs while smaller sizes are best for artificial climbing as they will accept only the smaller diameter ropes, and slings. (Slings not included).

We offer the following selection:

CLOGWYN WEDGES

HBW-1	5/16"	**.55 ea.**
HBW-2	½" narrow	**.55 ea.**
HBW-3	½"	**.55 ea.**
HBW-4	¾"	**.75 ea.**
HBW-5	⅝" narrow	**.75 ea.**
HBW-6	1"	**.75 ea.**

CLOGWYN HEXAGONALS

HBH-1	2/5"	**.55 ea.**
HBH-2	½"	**.55 ea.**
HBH-3	3/5"	**.75 ea.**
HBH-4	¾"	**.75 ea.**
HBH-5	1"	**.95 ea.**
HBH-6	1¼"	**.95 ea.**

PECKS CRACKERS

HBPC-1 (with wire loop)	**.95 ea.**		
HBPC-2	**.55 ea.**	**HBPC-6**	**.95 ea.**
HBPC-4	**.75 ea.**	**HBM-1** MOAC	**.95 ea.**

An assortment comprising one each of the above 17 climbing nuts is also available at a savings of $2.55.

HBA17 (Assortment) **$10.00**

CHOUINARD EQUIPMENT

(a) **WEDGE ANGLE:** Lighter than solid wedge pitons.
½"—Blade length 3". Wt. 2 oz. **HY102** **$1.25**
⅝"—Blade length 3". Wt. 2 oz. **HY058** **$1.25**

(b) **REGULAR ANGLE:** ¾". Wt. 3 oz. **HY034** **$1.35**
1". Wt. 4 oz. **HY010** **$1.40**
1¼". Wt. 4½ oz. **HY104** **$1.50**
1½". Wt. 5 oz. **HY015** **$1.65**

(c) 2". With lightening holes. 6 oz. **HY020** **$1.80**

(d) **LOST ARROW HORIZONTALS:** Lightest weight chromoly pitons

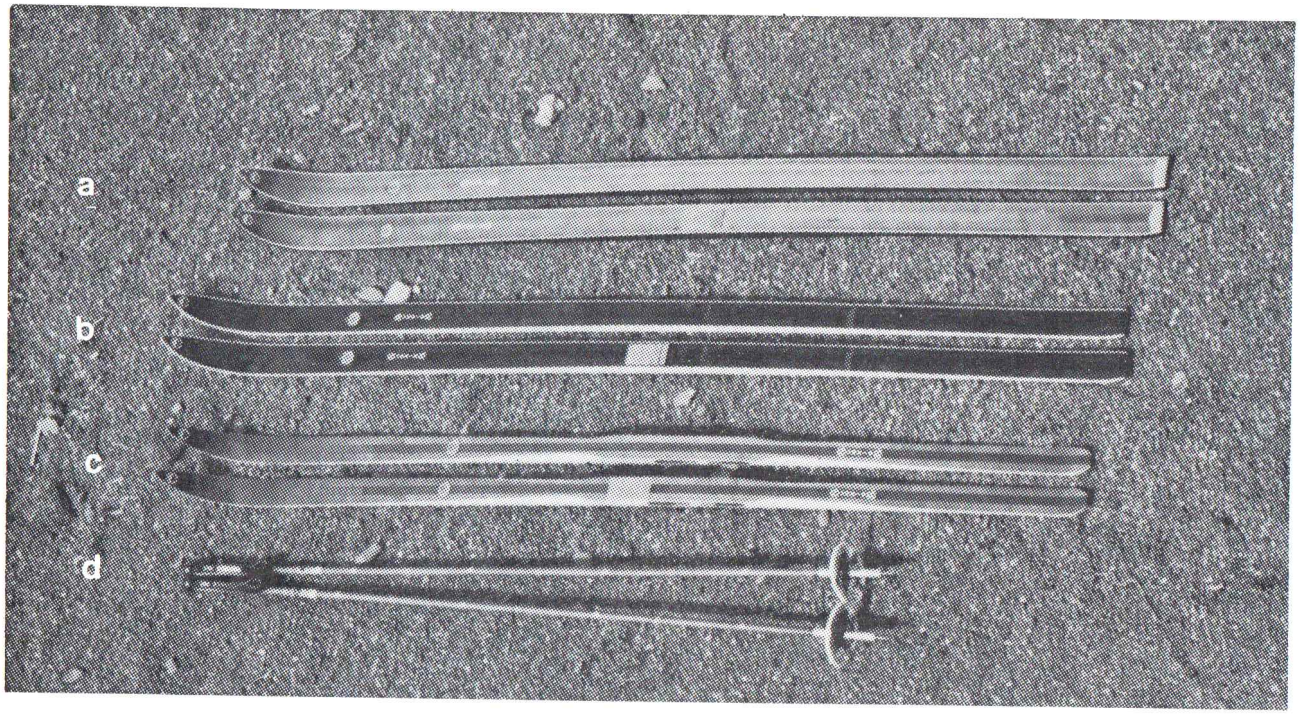
	Blade Length	Blade Thickness	Weight	Price
Short-thin	2"	5/32"	2 oz.	**HY401 $1.85**
Short-medium	2¼"	3/16"	2¼ oz.	**HY402 $1.85**
Short-thick	2⅜"	9/32"	2½ oz.	**HY403 $1.85**
Long-thick	3 5/16"	9/32"	3¼ oz.	**HY406 $1.85**
Long-medium	3⅛"	3/16"	3 oz.	**HY405 $1.85**
Long-thin	2¾"	5/32"	2¾ oz.	**HY404 $1.85**
X-Long-thick	4"	9/32"	4 oz.	**HY408 $1.85**
Wedge	2¾"	⅜"	3¼ oz.	**HY407 $1.85**

(e) **RURP:** For use in hairline cracks. ¾ oz. **HY000** **$1.50**

(f) **BUGABOO PITONS:** Heavier than Lost Arrows, but cheaper.
Short-Thin — ⅛" thick, 1½" blade. 1½ oz. **HY002** .. **$1.50**
Long-Thin — 5/32" thick. 3" blade. 3 oz. **HY003** .. **$1.50**

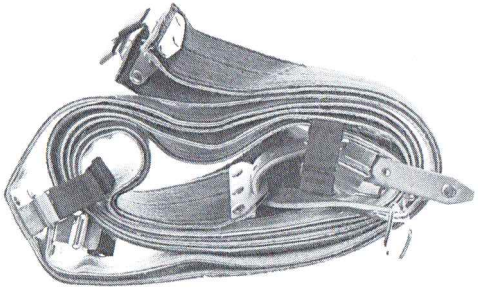
KNIFEBLADES:

Standard	3/32" thick	1¼" blade	1¾ oz.	**HY004**
Thick	7/64" thick	1½" blade	2 oz.	**HY005**



a **SUNDIN'S TOURING SKI.** Swedish made ski of superior quality. Wood is laminated birch and teak, with hickory running surface. Varnished uppers with contrasting stripes. Steel edges. Width at shovel is 80mm (3⅛"); at binding, approximately 2½". Ave. wt. per pr. 6½ lbs. Please state ski length. **K101**.....**$34.50**

b **SUNDIN'S X-COUNTRY S65J.** Similar to S55J. Laminated birch and teak. Lignostone edges on running surface. Width at shovel is 65mm (2½"); at binding, 2.41". Ave. wt. per pr. 3¼ lbs. Specify length of ski when ordering. **K105**.....**$29.95**



VINERSA CLIMBERS. Made in Germany of heavy, quality plush with canvas backing. Unique design of clip-type straps allows skin to remain tight and straight on ski; eliminates wear of straps over edge of ski; avoids placement of holes through ski. Can be put on and taken off very quickly. State ski length when ordering. Ave wt. 23 oz. For wood or metal skis. **K110**.....**$16.00**

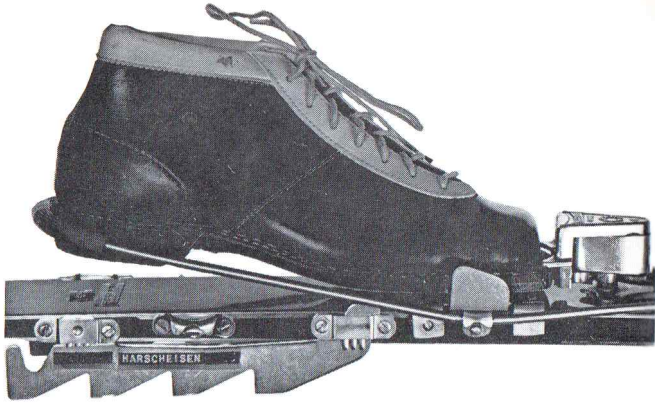
c **SUNDIN'S X-COUNTRY RACING SKI.** Swedish made ski, laminated of birch-spruce-ash and teak. 4 Gold Medals in 1960 Olympic games. Hickory edges. Varnish finish. Width at shovel is 55mm (2.16"); at binding; 1⅞". Ave. wt. per pr. 2½ lbs. Please state ski length when ordering. **K102**.....**$29.50**

d **BAMBOO SKI TOURING POLES.** Weight is kept at a minimum by using bamboo poles for ski touring. Curved tip eases release from snow. Baskets have 4" diameter; attached with cotter pins to allow changing of baskets. Leather hand straps. Lengths: 130cm (51") to 160cm (63") at 5cm intervals. Ave. wt. 18 oz.
K121 .....**$7.95**

SEAL SKIN STRAP-ON CLIMBERS. Seal skin climbers need not be removed for downhill running. Longer nap than plush makes seal skins faster for downhill running but less suitable for steep climbing. Specify ski length when ordering. **K115**.....**$13.95**

TRIMA SKI CLIMBERS. A plush type skin with canvas backing. Skin is held to ski by small fittings placed in ski groove. Unquestionably the simplest type of climbing device for ski touring. No straps to ice over. Easy to get on and off. Trima Climbers for wood skis complete. Specify length of ski. Wt. 24 oz. Price.
K111 .....**$16.00**
Trima Climbers with special fittings for metal skis. **K112**.**$16.25**
Trima attachments only (for Conv. to metal skis). **K113**...**$8.50**
Trima parts available. Prices on request.

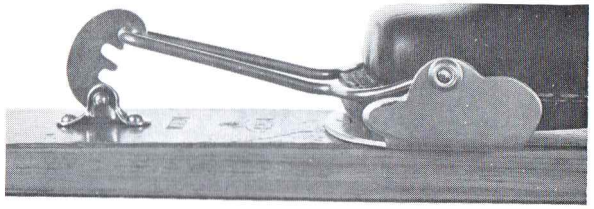
CLIMBING SKIN MATERIAL. Plush climbing skin material with cloth backing. Edges bonded with latex rubber. 2⅝" wide. Wt. 2½ oz. per yd. **K116**.....**yd. $1.50**



MINARET SKI TOURING ATTACHMENT. Lightweight, tempered aluminum plates for holding boot toe squarely on the ski when cables are set loose for touring. Can be used with most types of "safety" toe pieces such as Ski Free, Nevada, Marker, etc. When safety is desired, the attachment is easily removed for the downhill run. Plate is easily formed. Must be fitted to both boot and ski. Fitting instructions and diagrams enclosed. Wt. 3½ oz. pr.
K205 .....**$3.25**

HARSCHEISEN. Useful on the more difficult ski-mountaineering ascents for conditions of extreme windpack and ice. **K125**..**$4.50**

RAMY SECURUS French made safety-touring binding. We believe this to be the best binding available for the ski-tourer. It provides the desirable characteristics of "toe-irons" or a touring attachment, while also providing a safety toe release. Fully adjustable tension setting allows foot to release to side in case of fall. Use with any front throw cable. Wt. 1 lb. 15 oz.
K202 .....**$12.95**



X-COUNTRY RACING BINDING. Swedish made—the standard binding for cross-country use. Should only be used with a cross-country boot. Three widths . . . small, med. wide. Send boot tracing if in doubt. Attachments for boot sole included. Wt. 10 oz./pr.
K203 .....**$6.25**

MARKER STECKBACKEN TOUR-ATTACHMENT. Like having two bindings on one ski, the steckbacken snaps on and off with ease for quick adaptation from touring to downhill skiing. Fully adjustable, fits any boot. **K195** **$6.95**

"TEMPO" TOURING BINDING. A very sturdy binding made in Norway. Features simple adjustment and attachment. Fits all skis 2½" wide and up. Two sizes: Women's fits up to size 7½. Men's fits boots up to size 13. Wt. 28 oz. **K201** **$8.50**

KANDAHAR TOURING ATTACHMENT. Mounts permanently on any downhill ski to convert it when necessary to ski-touring. The "toe-irons" fold flush with the ski for the downhill runs. Most important, it can not drop off and get lost! **K206**..... **$7.50**

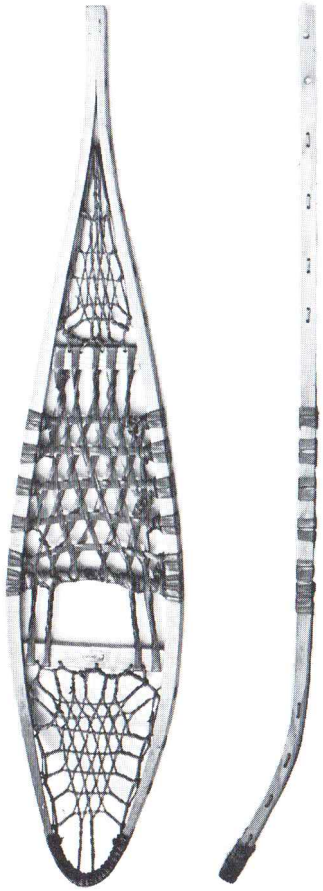
CROSS COUNTRY WAXES. Famous SWIX brand. Small metal "peel-back" tubes 2½" high x 1⅜" dia. Apply by hand and rub to uniform thickness. Three temperature ranges: **K130**

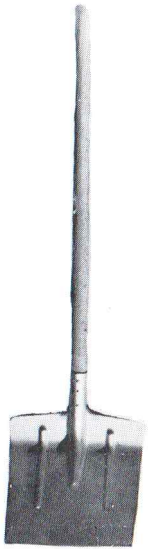
SWIX red. Moist new snow. 2 oz..... **$ .60**
SWIX blue-red. New snow around 32F. 2 oz..... **.60**
SWIX blue. New snow 14-32F. 2 oz..... **.60**
SWIX green. New cold snow below 20F. 2 oz..... **.60**

SWIX SQUEEZE TUBE WAXES. Two types. For easy application. **K131**

Klister Vat Sno. Mush and wet snow. 3½ oz.....**$ .75**
Klister Skare. Crust and coarse-grained snow. 3½ oz. ..... **$ .75**

AVALANCHE CORD. Red perlon cord marked at 2 meter intervals. 17 meters (56 feet) long. Wt. 3 oz. **K500**..... **$1.50**



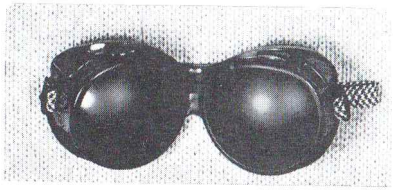


ALASKAN TRAIL SHOES. Designed for faster travel in both forest and open snow areas. Select ash with varnished rawhide. Comes in two sizes.

Size I. For women and light men. 10" x 48". Wt. approx. 5½ lbs. **K105** **$33.75**
Size II. For men. 10" x 56". Wt. approx. 6 lbs. **K106**.... **$33.75**

SNOWSHOE BINDINGS. Oiled leather with crossover instep strap. New. Will take any size boot. Wt.: 9 oz. **K107**..... **Pair $4.25**

SNOW TREADS
The first contemporary adaptation of space-age materials to the age-old snow shoe design. Snow Treads are made of tough, high-impact Eastman polypropylene resins developed to resist sub-zero temperatures. Heavy-duty ribs give rigidity and support. Easy on and off nylon bindings with quick-release buckles are attached to a hinge which gives "walking action". Snow and ice will not stick to Snow Treads. Colors are permanent. No special care is ever required. Weight is only 1¼ lb. per shoe. Snow Treads are guaranteed for one year in normal use.
K501 ..... **$15.00**



NORSKI GOGGLE. Extra large curved plastic lenses mounted in a cushioned plastic frame. Ventilation eliminates temperature distortion. Comes with two sets of lenses, dark and yellow. Elastic head band will fit over glasses. Choice of frame color, black or white. Wt. 2 oz. **ME100**..... **$4.50**

ALUMINUM SNOW SHOVEL. An important accessory for winter mountaineering—digging snow caves, tent sites, etc. Fitted with detachable handle. Ice axe can double as a handle. Shovel size 8" x 8". Handle length 19". Wt. 1½ lbs. **MA209**..... **$3.95**

a **MINARET SKI TOURING BOOT.** An imported ski-mountaineering boot that combines seemingly contradictive features. It is a supple and comfortable touring boot which readily serves for downhill skiing; at the same time the shallow-tread Vibram lug soles make the Minaret useful for combined ski-climbing ascents and winter climbing. A double boot, made of durable pebble-grained black leather, the boot has a comfortable form-fitting, speed-lacing inner boot that can be snugged up for downhill running and loosened for the uphill climb. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths, X-narrow to X-wide. Men's weight 5½ lb.; ladies', 4¾ lb.
B202 ..... **$28.50**

b **LAKE PLACID TOURING BOOT.** This imported ski-touring boot features lightweight, rugged construction. Supple for effortless X-country touring, it is highly recommended for short tours in the Spring. Rugose rubber sole, pebble-grained black leather tops, metal reinforced at heel counter and toe well. Fits any X-country or touring binding. Padded around top seals against snow. Sizes 6 to 11½; one width. Men's ave. wt. 3¼ lb. ladies; 2¾ lb.
B208 ..... **$19.95**

c **PERSSONS X-C RACING SHOE.** Very light and flexible Swedish Cross-Country racing shoe. Pebble-grained black leather top with padding around ankle to keep out snow. Very supple leather sole with soft rubber heel. Fits only X-C racing binding. Sizes 7-11½, ave. wt. 2 lb. **B207** **$19.95**

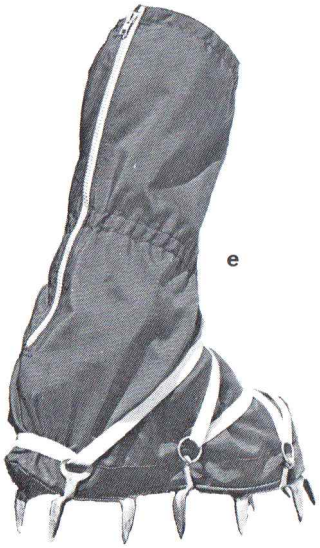
d **TRAILWISE DOWN FILLED SOX.** The warmest of all sox. Shell is lightweight nylon, with coated nylon outer sole. A ¼" layer of ensolite is added to the sole for better insulation. Ideal under waders, inside tent, and to keep feet warm while sleeping. Sizes: Small, medium, large. Wt. 4 oz. **A115** **$7.95**

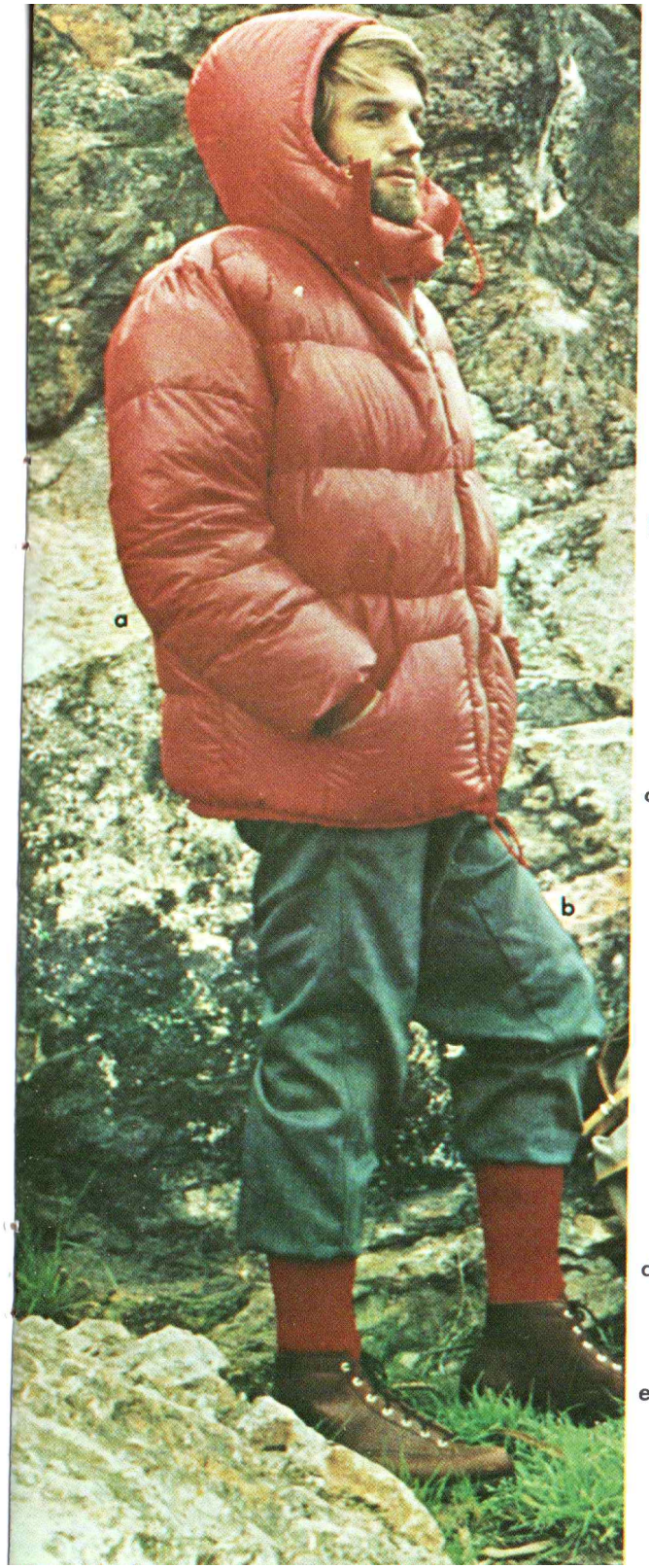
e **OVERBOOTS.** Positive protection for the feet in extreme conditions of cold-weather mountaineering. This model has been recently improved; now has a nylon zipper fastening in back. Snugness is maintained with elastic at the ankle and calf. The boot is 18" high, made of waterproof urethane-coated nylon duck. Pockets inside hold optional ensolite insulation. Send sole outline when ordering. Sizes Small, medium, large. Weight 15 oz. Color: Sage green.
A117 ..... **$16.50**

ENSOLITE INSULATING PADS, for above overboots.
A118 ..... **$2.50 pr.**

f **TRAILWISE 12" GAITERS.** Cut long for extra protection in deep snow and severe conditions. Constructed from urethane-coated nylon duck with a heavy-duty full-length nylon zipper. Wt. 5 oz./pr.
A116/A **$5.95**

g **TRAILWISE GAITERS.** Snug elastic grip above and below the ankle. Made of waterproof 3½ oz. nylon duck. Keeps out sand, gravel or snow. Zipper closure, tie-cord at bottom. Wt. 3½ oz./pr. Black.
A116 ..... **$4.75**





a TRAILWISE EXPEDITION DOWN PARKA
Designed for those who need the utmost protection against bitter cold at high altitude, this big downy is often used by mountaineers for wear around camp during cold weather or paired with a down footsack for sleeping. Overlapping quilt—no cold seams. Nylon zipper is snag free and thickly insulated by a full-length down-filled draft flap. The parka has elastic-knit cuffs and a down-filled collar that lies snug around the neck with a generous overlap in front. Hood is cut full enough to be worn over other headgear; has drawstring and velcro closure at neck. Parka is fully lofted with 16 oz. grey goose down. Tenaya cloth shell and lining. Down insulated pockets. Weight including hood: 2 lbs. Carrying sack included. Sizes: small, medium, large. Colors: red, orange, or blue.
A109 ..... **$67.50**

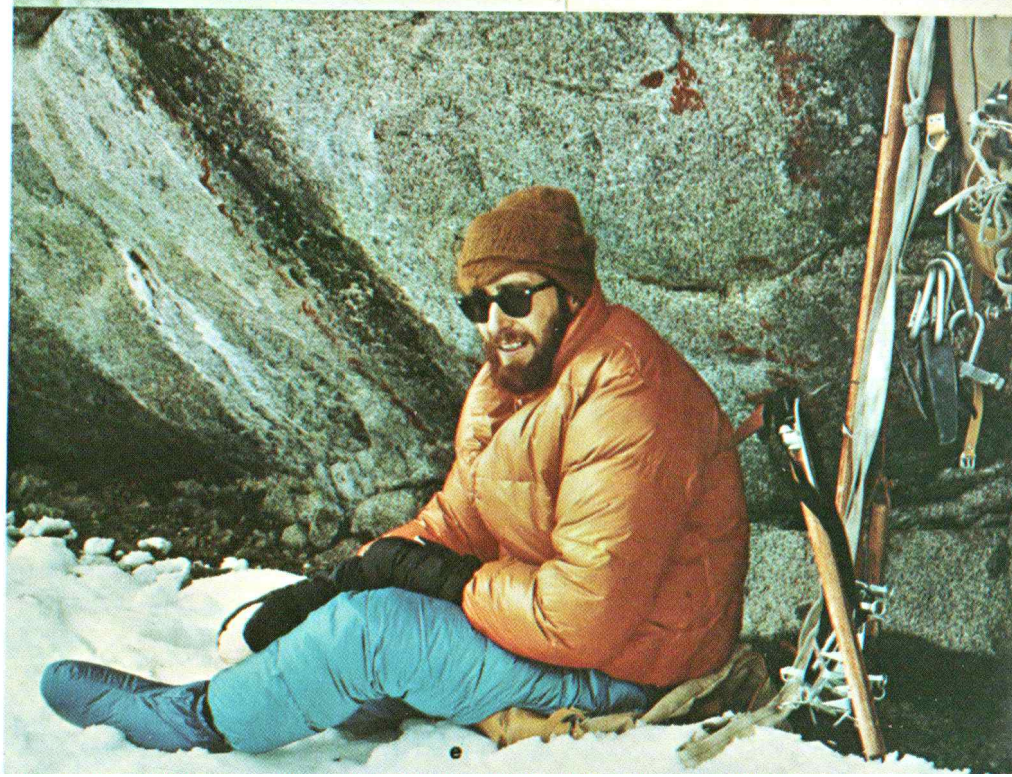
b TRAILWISE MOUNTAIN PANTS
These versatile pant-knickers will wear like iron with the hardest abuse. Made of 16 oz. English whipcord (50% Dacron, 50% wool worsted) with a reinforced double seat. Velcro closures at cuff will lock pant below the knee or around top of boot. Four zipper pockets, wide belt loops. This pant is designed for the most rigorous conditions of skiing and mountaineering as well as for general hiking use. Dark grey.
A102 ..... **$36.50**

c TRAILWISE LOGAN JACKET
Designed as an intermediate-weight, all-around down jacket for mountaineering, skiing and camping. We found this jacket to be just as useful at 19,000 feet on Mt. Logan as it is around Yosemite Valley, or on a Sierra ski-tour. The Logan Jacket has the warmth of several sweaters, with less weight—and is easily carried in a corner of your pack until needed. Filled with grey goose down, shell of tough Supernyl, a 3½" high down collar, and elastic knit cuffs. Down insulated pockets and optional down hood. This is the only jacket of its kind that solves the controversial question: Zipper vs. Snaps? The Logan Model has both heavy-duty snaps and a full nylon zipper with a 2" overlap. Colors: Royal blue, chianti, green. Weight: 21 oz. Sizes: small, medium, large. Stuffbag included.
A111 ..... **$30.00**
A111-H Down hood for Logan Jacket .. **$6.00**

d JAMET DOWN PARKA. Fully baffled, finger-tip length down jacket. Snap closure; nylon hood zips into collar. French blue or red. Sizes small (1), medium (2), large (3).
A220 ..... **$42.50**

e TRAILWISE DOWN PANTS. Quilted with Grade A grey goose down, rugged nylon shell. Snap fly, elasticized cuffs. Blue. Small, medium, large. Ave. Wt. 16 oz. **A110** **$20.95**

DOWN SOCKS. See page 20 for listing.



a **LADY ROGUE** down parka With Hood
Long, slim and well-tailored, this ladies' version of the Rogue (see below) has all the practical features of the men's model as well as considerable style. Especially designed for skiers, the Lady Rogue is warm enough for all outdoor sports and attractive enough for general use. Navy, medium blue, cinnamon, grecian olive, old gold, wine, champagne. Sizes 10 to 16.
A341 ..... **$57.50**

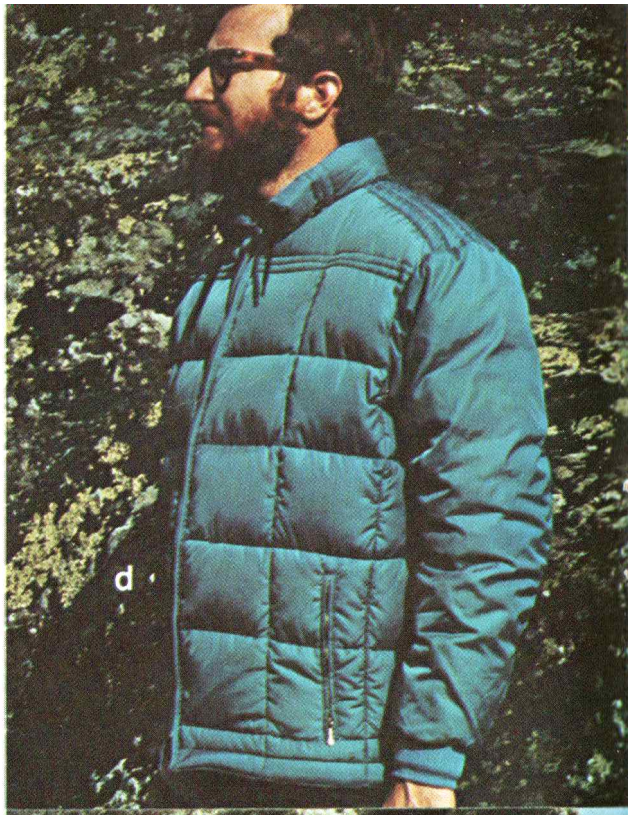
b **ROGUE** down parka With Hood
This fingertip length down-filled parka by Tempco Quilters is ideal for skiing and general cold weather use. Two-way zipper allows zipping up from the bottom; outer and inner shells are of tough, smooth, windproof nylon. Zippered pockets, detachable belt, concealed hood. Navy, cobalt, dark olive, cinnamon orange, medium blue, old gold, wine. Available small, medium, medium-large, large, x-large.
A342 ..... **$57.50**

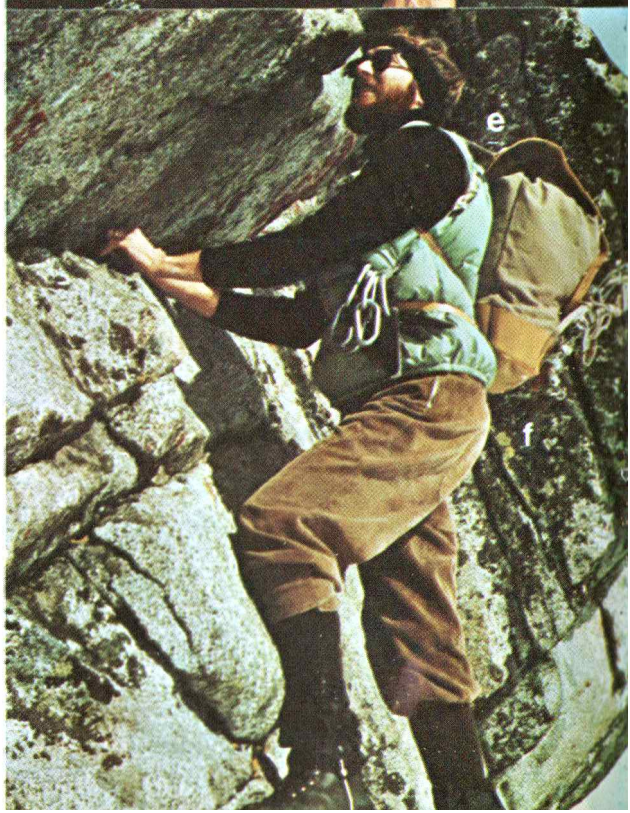
c **LADIES PRINCESS DOWN-FILLED PARKA**
Vertical quilt for maximum warmth with a slender silhouette. Zipper pockets, button back, down-filled mandarin collar, contrasting lining. Has concealed hood as with other Tempco parkas. Colors: navy, wine, red, cobalt, champagne, gimlet green. State alternate color choice when ordering. Limited quantity. Weight: 26 oz.
A103 ..... **$45.00**

d **BLIZZARD DOWN-FILLED PARKA**
A handsome and rugged parka that can be worn for any cold-weather sport, whether skiing, sports car driving, mountaineering or hiking along cold and exposed trails. Both lining and shell are made of water-repellent nylon. The nylon hood, with drawcord, can be concealed when not in use. Collar is down-filled for extra protection around the neck. Parka has a full-length zipper with double slider, drawcord at waist, knit cuffs, and two zipper pockets. Colors: navy, wine, dark olive, cobalt blue. Sizes: medium, medium-large, large. Please give alternate color. Weight: 28 oz.
A343 ..... **$47.50**

e **TRAILWISE DOWN VEST** Ideal for wear with or without a parka, in your sleeping bag, or slipped over other garments while resting on the trail and in camp. Vest is quilted and filled with grey goose down. Closure is effected by large snap fasteners set so that front overlaps 1½" for draft control. Elastic at waist. Shell material is lightweight Supernyl nylon which is sturdy and windproof. Sizes: small, medium and large. Color: Scotch mist. Weight: 12 oz.
A112 ..... **$17.50**

f **GERMAN CORDUROY KNICKERS.** Wide-wale, plush quality corduroy knickers with reinforced seat, three zipper pockets. Adjustable waistband and buckle cuffs. Steel blue, sand, loden. Even sizes 28-38.
A403 ..... **$17.95**





g HANDKNIT, HANDSPUN, ANDEAN SWEATERS. These beautiful sweaters in natural colors come to us direct from a knitting cooperative organized by the Peace Corps in Cuenca, Ecuador, and as a result are remarkably inexpensive. Some are plain, others have an authentic Andean design knit into the back. Specify your preference for a brown, white or grey sweater, with or without a design. Available in men's or women's small, medium and large.
A335 ..... **$27.00**

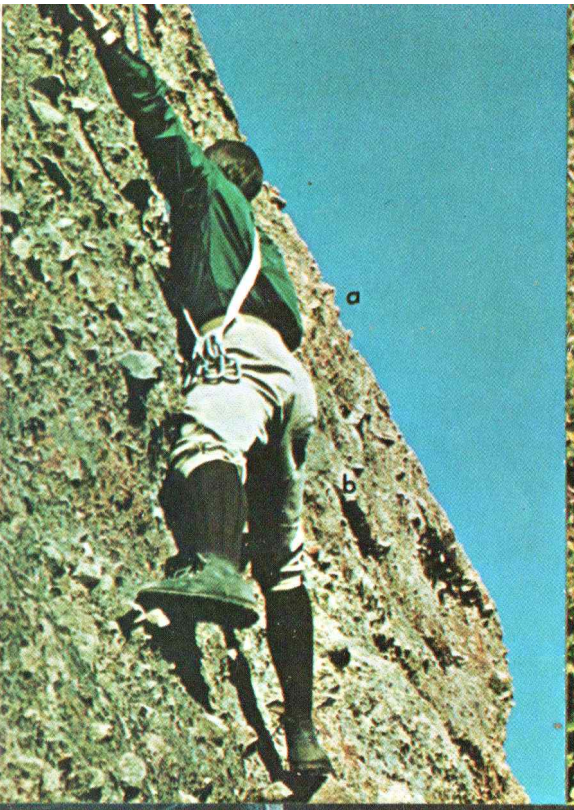
h CORDUROY KNICKERS FOR WOMEN. Made in West Germany. Same quality wide wale corduroy as in Men's Corduroy Knickers listed. Two slash side pockets with zipper closure—adjustable take-up band. Friction grip inner belting at waist. Double layer corduroy reinforced at crotch. Side zipper opening. Adjustable cuffs. Colors: Bright navy, Loden, Steel blue, Sand. Sizes 10, 12, 14, 16, 18. Wt. 1¾ lbs. **A405** **$16.50**

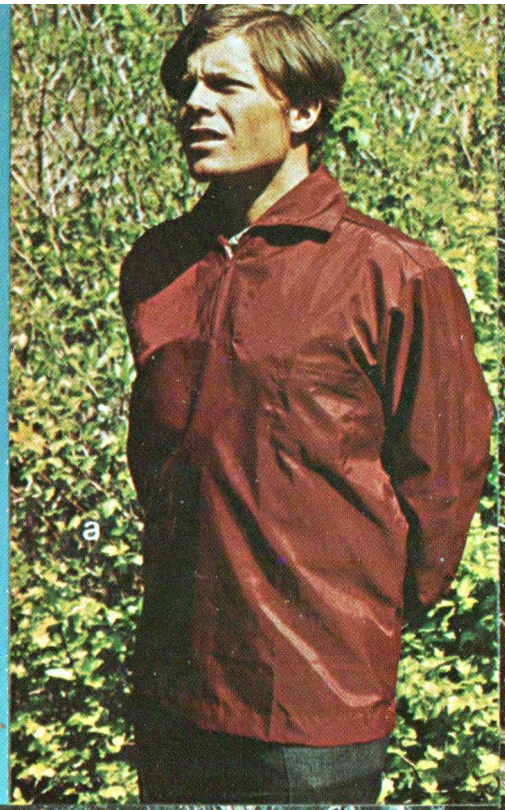
i ICELANDIC SWEATERS
These classic Icelandic pullovers are handknit in one piece of the soft, thick and water repellent wool unique to Icelandic sheep. Available in combinations of natural color yarns, predominantly dark grey, warm brown, chocolate or creamy white. Specify Men's or women's small, medium and large.
A356 ..... **$39.95**

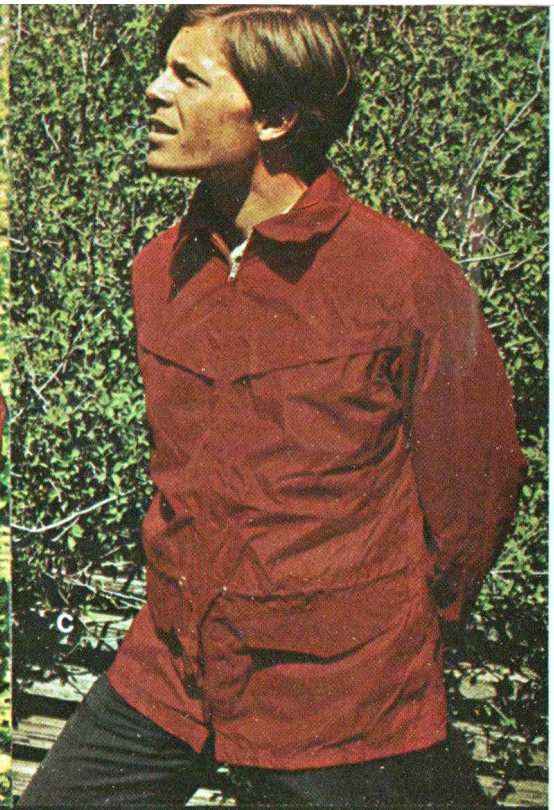
j LEVIS
The original riveted Levi Strauss blue jeans, patented in 1873. Button fly, indestructible fabric, guaranteed to shrink so add two inches each to waist and inseam length. All sizes. **$5.95**

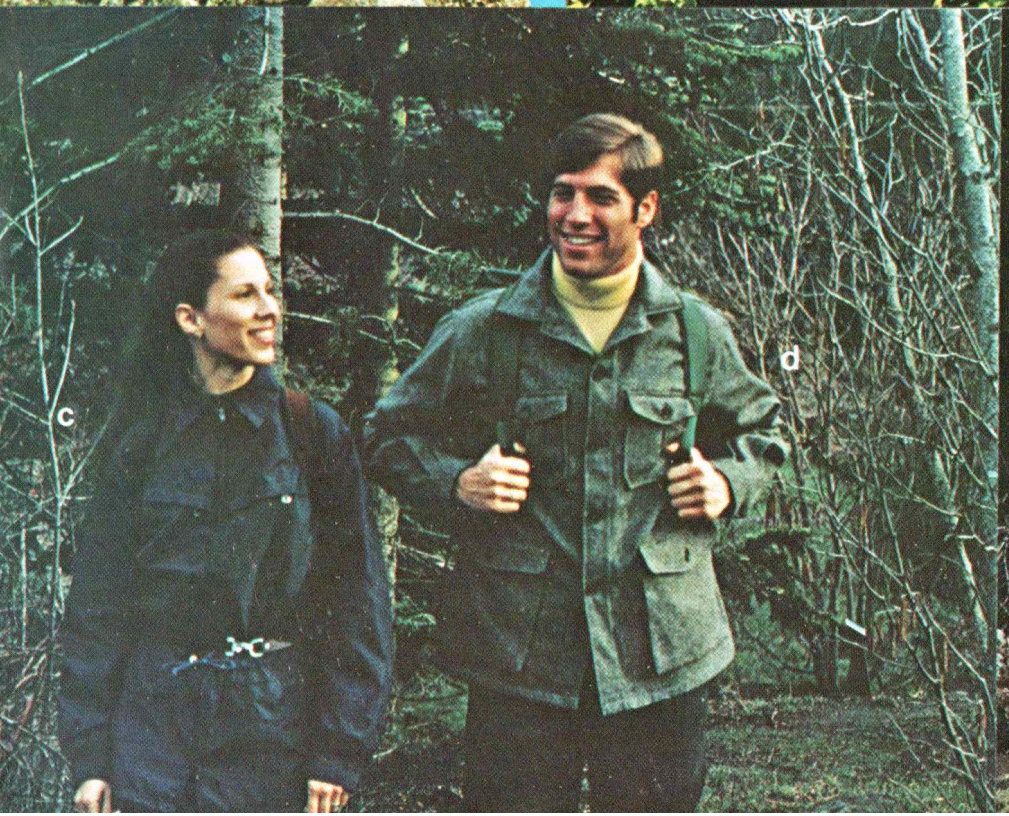
k PENEGAL SWEATERS. Imported from Austria, this stylish turtleneck sweater is of extra-heavy wool fiber for warmth, durability and comfort. Available in a wide range of sizes for men and women. Men's sizes: small, medium, med-large, large, x-large; Women's: small, medium, large. Colors: Navy blue, Burgundy, Royal blue. Please state alternate color when ordering. **A325** **$27.95**

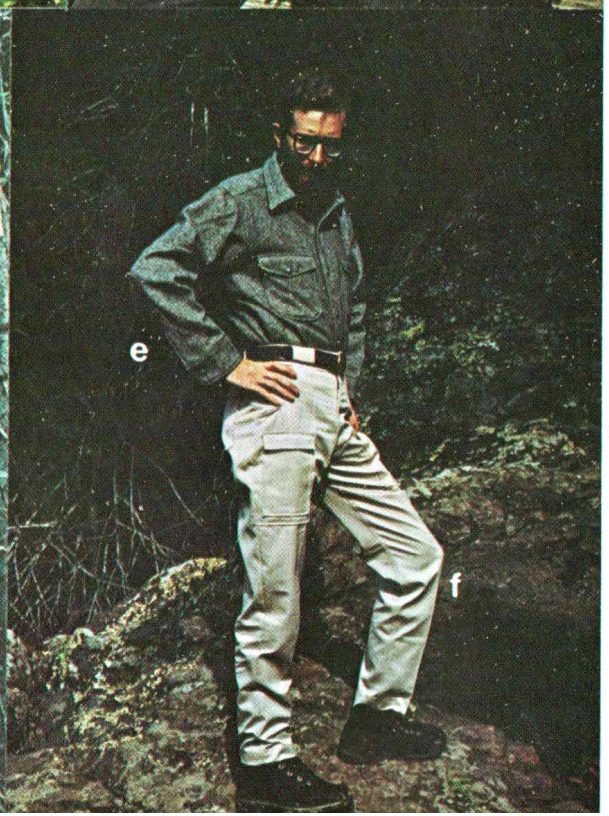
l WHIPCORD KNICKERS. Constructed in Scotland of extremely heavy-duty cotton whipcord, these climbing breeches feature heavy-duty belt loops, a reinforced seat and durable knee fasteners. Strong and abrasion-resistent without being too hot for summer rock climbing. Available in waist sizes 30, 32, 34, 36. Dark Grey.
A402 ..... **$15.95**











a **WINDSHIRT**
An extremely lightweight nylon pullover with convertible zipper collar designed to keep warmth in, wind out. Can be worn over or under a sweater or alone. Ideal for skiing, sailing, bicycling, backpacking. The lightest, most effective protection on breezy summits. Navy, burgundy, forest green. Men's small, medium, large, extra-large; women's small, medium and large.
A357 ..... **$4.95**

b **SWISS MADE CORDUROY KNICKERS FOR MEN.** Wide wale, high quality corduroy knickers. Fashioned and made in Switzerland. Heavily stitched and reinforced; double layer thickness of corduroy at crotch. One rear pocket, two side pockets all with zipper closure. Button fly. Belt loops. Adjustable cuffs. Fawn color. These knickers are for those who want the best available. Even sizes only from 30 to 36. Average weight 2 lbs.
A404 ..... **$26.50**

See Opposite Page

c **TRAILWISE TOURING PARKA**
Constructed with a double thickness of breathable but tightly woven nylon, this is probably the best quality shell parka available. Features a concealed hood adjustable to cover mouth and chin, adjustable Velcro-closure cuffs, four roomy zippered pockets and a drawstring waist. Dark blue, chianti and Scotch mist. For both men and women. Sizes x-s, s, m, l, x-l.
A108 ..... **$24.50**

d **SAXONY BUSH COAT.** A durable and useful button-front jacket of 100% wool for hunting, fishing and general field wear, this bush coat has five spacious pockets. Attractively designed in grey tweed. Sizes 36-46. **A350** **$19.95**

e **ALASKA SHIRT.** Heavy weight 100% wool shirt, permanently moth proofed. Warm, durable and attractive, the Alaska is ideal for camping, hiking and general sportswear. Long tails. Rayon lining at neck. Two breast pockets. Twill or tweed weave in grey color. Rugged shirt that will give years of service. Sizes: 15 to 18. Wt. 1¾ lbs. **A309** .. **$12.95**

f **MEN'S HIKING PANTS.** Made of heavy sateen material that is water resistant, this pant is designed for rugged wear and comfort. Has overlapping double pockets. Waist sizes 28-38. **State inseam length.** Color tan. Wt. 18 oz. **A407** **$7.95**

MORLANDS SHEARLING COATS

Made in England with the finest skins available, **Morelands** deep pile jackets are at least a quarter inch thick and are dyed through the entire thickness of the hide for depth and stability of color. Completely drycleanable and resistant to water staining, they are the ultimate in warmth and practicality. You can expect a lifetime of use from these classically designed garments.

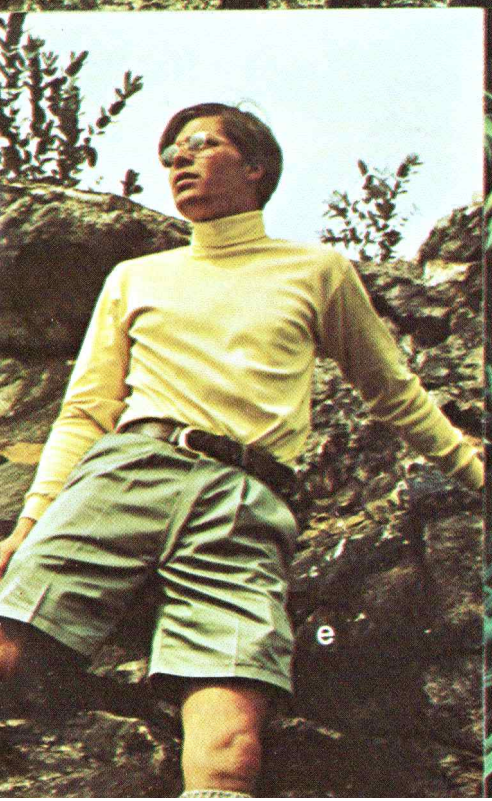
THE BANWELL Men's half-length (about 33 inches) sueded sheepskin coat with leather-bound edges and buttons (spares provided). Rear vent, turned seams. Available in Spice (as pictured) or Brazil (a rich, warm brown) with white wool. Chest sizes 36-46". **A500** **$145.00**

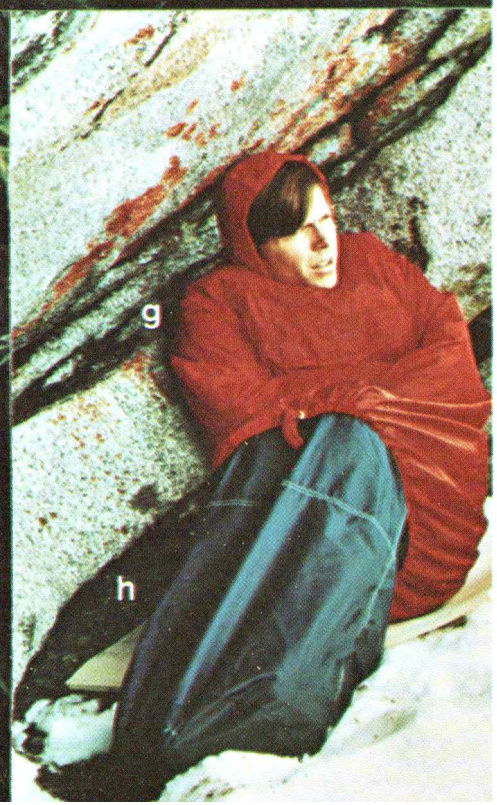
THE LEYBOURNE Women's intermediate length (about 34 inches) sueded sheepskin coat with leather bound edges and buttons. Detachable half-belt, side vents. Cuffs may be turned back to reveal wool. Available in Clove (as pictured) and Brazil (rich, warm brown) with white wool. Bust sizes 34-44" **A505** **$145.00**

In ordering, please be sure to specify size and color. The Ski Hut will maintain a small stock in Berkeley; special orders to England will take five to six weeks for delivery. Morlands and the Ski Hut guarantee your satisfaction.

g **IMPORTED BOLIVIAN ALPACA PONCHO.** Hand-woven of the softest undyed alpaca yarns, each of these ponchos is unique in pattern and color. Luxurious and amazingly warm, they make an ideal gift. One size fits all. State preference for predominant colors, warm browns or soft greys. Wt. 1 lb. 6 oz. Allow two weeks for delivery.
A357 ..... **$49.95**

h **WOOLRICH SHIRT.** Rugged, all-purpose outdoorsman's shirt of 85% reprocessed wool, 15% nylon, permanently mothproofed. Long tails, two breast pockets. Solid color golden brown, or navy with anchor buttons. Small, medium, large. **A310** **$10.95**





a **MEN'S CORDUROY SHORTS.** Made in Scotland of thick English corduroy, these shorts will give years of service. Two side pockets, one hip pocket, zipper fly and belt loops. Available in warm brown. Even sizes 30-38.
A401 ..... **$9.75**

b **LADIES' HIKING SHORTS** Trim and sturdy jamaica-length sateen hiking shorts with four handy pockets. Khaki. sizes 10-16.
A420 ..... **$7.25**

c **TURTLENECK JERSEY.** A versatile and attractive jersey of 100% cotton with elasticized collar and cuffs. Excellent for skiing, hiking and streetwear. Available in a variety of sizes and colors for men and women. Men's small, medium, large and extra large. Women's small, medium and large. Colors: Lemon, navy, forest green, powder, dark cherry, dark brown, white, black.
A305 ..... **$5.00**

d **AUSTRIAN LEDERHOSEN.** Genuine Austrian Import. Sturdy, rough-finish, grey suede leather. Two front pockets and one hip pocket. Men's have classic button front; ladies' have side zipper.
Tots: The undiscovered secret—kids can't wear these out. And they tend to expand with the child's growth.
Ages 1-4; 1½ lb. **A406/t** **$9.95**
Children: Lederhosen make good rough-and tumble play or hiking pants.
Ages 5-10; 1¾ lb. **A406/c** **$11.95**
Youths and Womens (specify which) sizes 23-28; wt. 2 lb. **A406/yw** **$17.00**
Men's: Sizes 30-38; wt. 2¼ lb.
A406/m **$18.00**

SUSPENDERS FOR LEDERHOSEN.
Men's **A416** **$3.00**
Women's
A416/w **$3.50**
Children's
A416/c **$2.50**

e **MEN'S HIKING SHORTS.** Made of 9 oz. sateen. Water repellent treated, mercerized and preshrunk. Color: Sage green. Even sizes 30-38. Two front pockets, two hip pockets. Velcro fastening on hip pockets. Weight 10 oz. **A101** **$8.50**

f **STANDARD SIZE NYLON PONCHO.** Made of waterproof rubberized nylon, with a low price made possible by use of less expensive yardage. 50″ x 80″, OD color. Weight 23 oz. **A200** **$6.25**

i **NYLPORT PONCHO.** Nylport, a specially coated nylon, is completely waterproof, will not crack or peel. For those who want a high quality poncho at minimum weight. May be used as an emergency shelter by snapping two together. Finished size 50″ x 85″. Rear drapes 12″ longer than front for take up over pack. Grommets in corners. Colors: Navy blue and Tan. Made by Trailwise. Wt. 14 oz. **A106** **$14.75**

j **STANDARD SIZE PLASTIC PONCHO.** Taupe colored poncho that is suitable for youngsters, and for those who do not want a long poncho. Snap fastener closures. Hood without tiecord. 45″ x 72″. Wt. 13 oz.
A201 ..... **$1.75**

k **LARGE PLASTIC PONCHO.** Extra large size, 54″ x 96″, of waterproof vinyl. The back is made longer than the front to allow for take-up when carrying a pack. The neck opening can be closed by zipper. This poncho has snap fasteners along the sides. The hood has tie tapes. Wt. 14 oz. **A202** **$2.75**

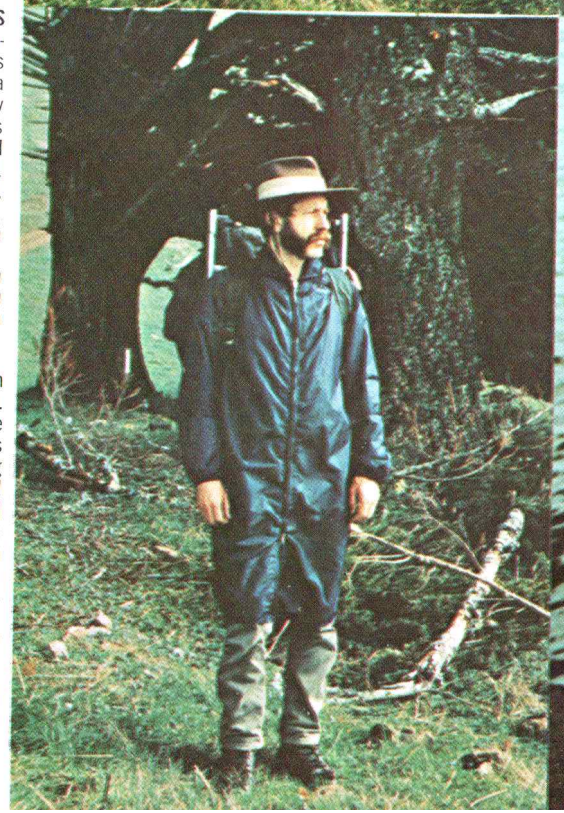
l **¾ LENGTH COLUMBIA RAINCOAT.** An extremely light, waterproof garment. Full-length wing-sweep zipper, drawstring hood. Dupont K-Kote nylon is rip resistant, will not run, shrink, crack, or peel! Weighs only 10 oz.; the lightest high-quality rainwear we know. Sizes for men or women, Small, Med., Large. Colors: Bright navy. Yellow .
A203 ..... **$13.75**

m **WATERPROOF NYLON SHELL AND WINDPANTS** Ultra-lightweight and completely waterproof, this jacket and pant set protects from wind and weather and stows away in a minimum of space when not needed. Equally effective for sailors, skiers, hunters, hikers and climbers. Concealed hood, elasticized cuffs, zipper pocket and back air vent. Men's navy, expedition orange in small, medium, large, extra-large. Women's navy, expedition orange and sunshine yellow in small, medium, large.
A205 jacket **$10.50**
A206 pants **5.50**
A256 set **14.95**

g **CAGOULE.** A very lightweight knee-length parka made of waterproof coated nylon. Parka is cut large so that knees may be drawn up inside during bivouac. Parka is suitable for wear in camp or on trail during inclement weather. Hood may be closed tightly around face by drawcord. Drawcord at bottom and elastic at wrists. Large Kangaroo pocket with Velcro closure. Parka stuffs inside its own pocket and closes with pocket closure, thus providing its own carrying bag. Red or Beige. Wt. 11 oz.
A120 ..... **$16.50**

h **FOOTSACK.** A companion to Cagoule. Same fabric and color. Cut long to come well above waist. Wgt. 6 oz. **A121** **$6.95**

See Opposite Page



ORLON BALACLAVA. The versatile "Eski Cap." Looks good on the ski slopes, gives all-weather protection with its built-in face mask. Non-allergenic and as warm as wool. Weight 3 oz. **A710**.....**$2.25**

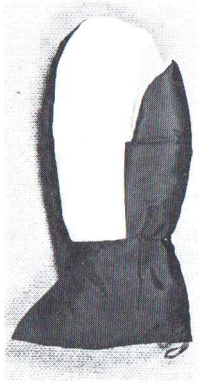
BALACLAVA HELMET. An invaluable item for extremely cold weather. Can be used either as a cap or a full protective helmet. Made from long fiber, soft, fleecy Shetland wool. Navy or Grey or Tan color. State 1st and 2d color choices. Wt. 4 oz. **A7111**.....**$2.75**

HEAD BAND. Made in France. 100% wool. Shaped pattern that fits well over forehead and ears. Colors: Red, French Blue, Black, White. State 1st and 2d color choices. Wt. 1 oz. **A713**.....**$1.00**

ICELANDIC FOOTWARMER SOCK. Handknit of the same soft wools as our Icelandic pullovers, this attractive sock follows the contours of any foot, fitting snugly around the heel and ankle. Ideal as a boot sock or warming slipper. Combinations of grey, beige, cream and dark chocolate. One size fits all. **A956** **$5.95**

ROPER'S GLOVE. For rock-climbing and general outdoor use. A first quality glove of cream color tanned cowhide. A well-shaped glove; palm is free of stitching along finger and thumb bases. Strap adjustment on back. Sizes 8-12. Wt. 4 oz. **A502** **$3.95**

DOWN MITTS. Designed for expenditionary use, cold weather skiing, ski touring. Particularly suitable for people who tend to have cold hands. Down filled with added light foam insulation at palm. Palm is leather and the outer fabric is nylon. Length is generous to cover most of forearm. Sizes: XS, S, M, L, XL. Color is Black.
A114 .....**$11.95**



G. I. GAUNTLET MITTS. Very good for cold weather mountaineering. Full leather palm and thumb, back and gauntlet of close-weave cotton twill. Removable wool liner, strap for tightening, and trigger finger for performing delicate tasks without removing gloves. Wt. Pr. 10 oz. **A501**.....**$2.95**

SILK GLOVE LINER. Augments warmth of any glove or mitten. Very useful under cold conditions when mitts must be removed to operate cameras, tie crampon straps, etc. Send glove size when ordering. **A511**.....**$2.95**
No Photo

a **NORWEGIAN LONG BOOT SOX:** Knee length sox made of 100% heavy weight wool. Highest quality. Sizes 9-13. Ave. Wt. 6 oz.
A931 .....**$3.25**

b **BREGENZ EXTRA-LONG PATTERNED KNICKER-SOCKS.** 100% wool. Norwegian patterns decorate these contoured above-the-knee socks. Red, green or blue starbursts on a black background. Sizes 9-12.
A933 .....**$4.95**

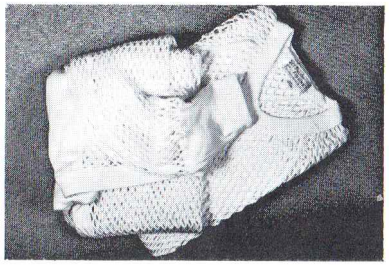
c **BREGENZ EXTRA-LONG KNICKER SOCKS.** At last, a sock which eliminates the inexorable downward creep of most knicker socks. This Austrian import is elasticized both above and below the knee for securest fit and maximum freedom of movement. Soft and warm (70%-30% wool-acrylic) wide-ribbed knit in color choice of Grey, Green Tweed, Royal Blue, or Bright Red. Sizes 9-12. Avg. wt. 5 oz./pair. **A932**.....**$4.75**

d **"PIRU" KNICKER SOCKS.** Extremely well made and handsome socks from Germany. 100% wool knits that are made extra long. No gap between sock and knicker. Men's: Sizes 10½, 11, 11½, 12. Color: Heather-Green Mix. Wt. 11 oz. **A934**.....**$6.50**

ROLLER-CRUSHER. The woodsman's favorite. Takes crushing, smashing, folding, and stomping in its stride. Tends to become very distinctive in shape after long wear. Black, Red, Green. Sizes 6¾ to 7¾. **A701**..**$2.25**

DUOFOLD TWO-LAYER UNDERWEAR. The inner layer is made of finely combed cotton, the outer layer of blend of 25% wool, 65% cotton, 10% nylon. Trapped air between the layers creates a very effective insulation. Long sleeved shirts and ankle length pants. Women's sizes 10 to 20 in pale blue or red and white peppermint stripe. Men's available according to jacket and waist sizes. Red only.

Shirts **A653**.....**$6.25**
Longs **A654**.....**$6.25**



NORSE NET SHIRT. This shirt is designed on the 'air trap' principle. The knitted cells, made from soft cotton yarn, hold the warm air against the skin yet allow sufficient ventilation. This article of underwear is very comfortable and is particularly suitable for anyone who needs extra warmth close to the skin. Equally valuable in hot weather since air pockets permit cooling by evaporation. Color is white. Specially sized for men and women: sizes S, M, L and XL available for both. Wt. 7 oz. **A651**.....**$4.00**

NORSE NET LONGS. A wonderful, lightweight, non-itch underwear. Made of soft cotton woven in fishnet pattern utilizing the 'air trap' principle. White. Ave. wt. 7 oz. Men's sizes: S, M, L, or XL. **A6552/m**.....**$4.00**

JUANTZITO BERET. Authentic Basque import. Made in traditional style of 100% reprocessed wool. Water repellent. Excellent protection from cold weather as well as from strong sun rays. Available in Black or Green. Specify size and color when ordering. Sizes 6¾ to 7¾. **A729**.....**$2.50**

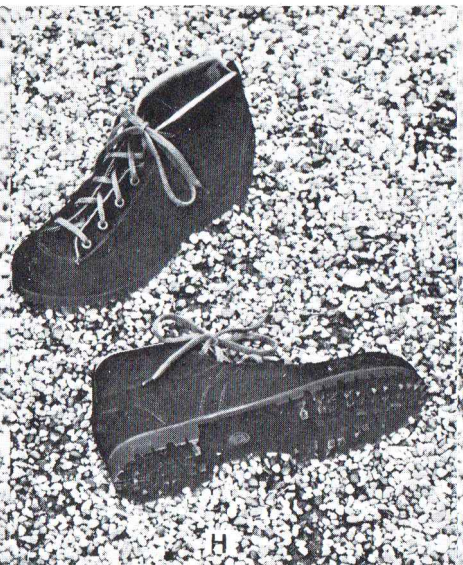
LIGHTWEIGHT SOCK. This soft and absorbent sock is ideal for wear next to the foot. Of 100% wool with 2% nylon reinforced heel, it is recommended for wear under all socks listed, and for normal active use. Shrink-treated. Sizes 9-13. Color is white.
A907 .....**$1.25**

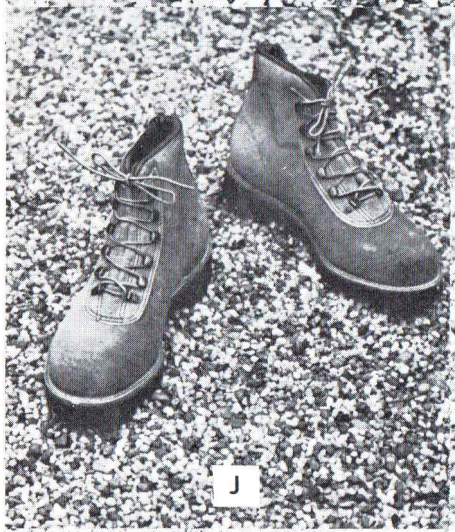
EXTRA HEAVY NORWEGIAN SOX. These sox are 10″ ribbed top with nylon heel and toe reinforcement. Cushion quality extra thick wool. Grey. Sizes 9-12. Wt. 7 oz.
A902 .....**$2.95/pr**

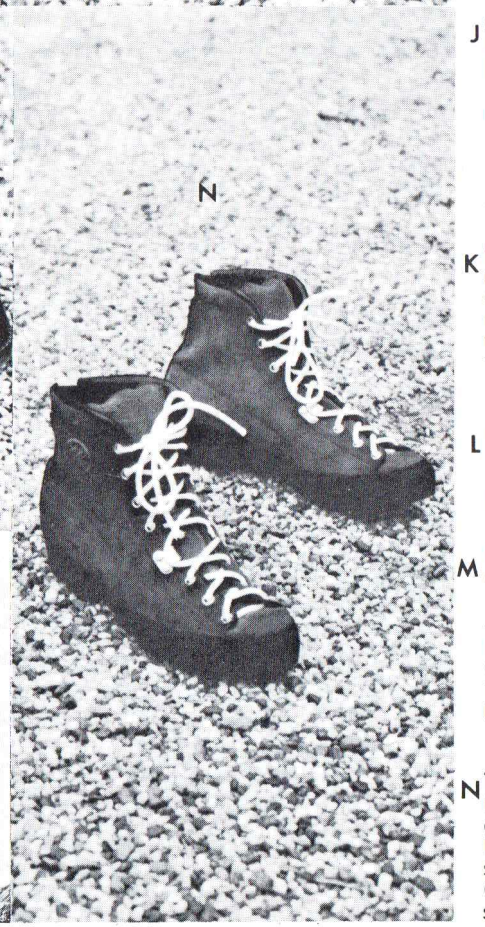
NORWEGIAN BOOT SOX: Heavy weight 100% wool sox that are superior for skiing or use in high altitudes, glaciers, etc. High enough for 8″ mountaineering boot. Grey only. Sizes 6-13 for children and adults. Ave. Wt. 3½ oz. **A901**.....**$2.00**

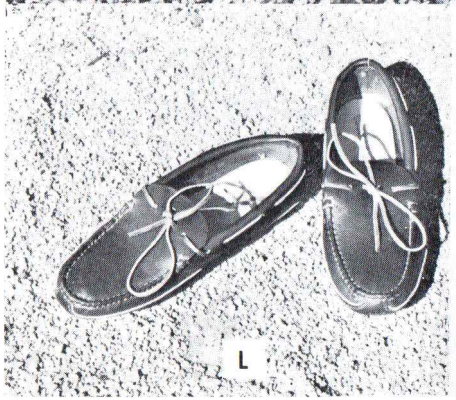
NORSE THERMAL SOCKS. 75% fine worsted wool, 25% stretch nylon, these socks are thickly cushioned pile throughout. Provide great comfort and excellent insulation. Shrink resistant. Excellent for ski, hunting and hiking boots up to 8″ high. Red, white or blue. Stretch sizes 9-11, 11-14. Ave. wt. 3½ oz. **A903** **$2.50**

BANDANNAS. Gay patterned cotton bandannas. For camp and trail. Many uses such as sun protection, wash cloth, neckerchief, etc. Two colors: Red predominant or Blue predominant.
22″ x 21″. **A730**.....**30¢**
27″ x 27″. **A731**.....**65¢**









G **MUIR TRAIL.** This excellent lightweight trail boot is an improvement on our long-popular **Cortina.** The last is the same, but we have eliminated an important seam, thereby strengthening the boot and increasing water repellency. The tongue construction and padding are also improved. Ave. wt. 3 lb. **B101** **$23.50**

H **BAVARIAN**
For those who want an extremely lightweight boot, the Bavarian is an ideal trail boot, requiring almost no breaking in. It is not intended for heavy loads or off-trail use. Fully lined with smooth calf and padded around the ankle. Uppers are soft, scuff-resistant, dark green suede. Closely trimmed, high-traction Tewa lug soles make this boot adaptable for bouldering. Made in Germany, it is available in sizes 4 - 11½, medium width only. Average weight is 2 lbs.
B205 .....**$19.95**

I **SUMMIT.** Designed for durability and use in wet country, this boot features smooth-finish leather uppers and a leather midsole, which provides stiffness and support for long excursions. Embodies the Cortina's virtues of good fit and flexibility; fully lined in smooth calf, padded around the ankle, high-traction Vibram Roccia sole. The hard toe caps and heel counters are specially treated to hold shape. Sizes 5 to 14; widths AAA to D. Men's ave. wt. 4 lbs.; ladies', 3¼ lb. **B102**.....**$27.95**

J **SIERRA.** Light and rugged American hiking-mountaineering boot. Made by Voyageur along the lines of a European alpine climbing boot, 6″ height; minimum number of seams on upper, nylon sewn. Full bellows tongue backed by padded inner tongue, lacing hooks. The combination oil- and chrome-tanned leather uppers are unlined, rough-out, and reinforced at heel counter, toe and arch; padded collar to keep out scree and snow. Vibram Montagna sole closely trimmed to upper. Sizes 7-14. Med. and Wide. Ave. wt. 3½ lb. **B304**.....**$21.75**

K **WALKER.** Italian hand made oxford with moccasin toe. Uppers are made of dark brown, full-grain leather, lined in soft calfskin. The shallow-tread Vibram Roccia sole is of the non-marking type. This tough, high-traction oxford is carefully and smoothly finished throughout. Casual but elegant for country outings. Sizes for men from 7 to 14 in widths A to D. Ave. wt. 2¾ lb. **B103**.....**$22.50**

L **HANDSEWN MOCCASINS.** Oil-tanned for greater water-repellency and double-soled for longer use, these moccasins are designed for maximum comfort and durability. Men's sizes 6-13, one width. Dark brown. Ave. wt. 20 oz. **B108** **$11.95**

M **MOUNTAIN BOY.** An inexpensive mountain boot designed especially for children. Uppers are made of grey scuff resistant suede textured leather. Firm heel counter and hardened toe. Sole and heel are a molded unit firmly bonded to the upper with a proven adhesive, and trimmed to minimal overhang. Vibram cleated sole has excellent traction and its brown color minimizes floor marking. Boys and Girls. Sizes from 11 to 5. Ave. wt. per pair 1¾ lbs. **B303** **$17.50**

N **THE "RR" VARAPPE.** A new rock climbing shoe designed according to the technical specifications of America's foremost rock climber, Royal Robbins. Manufactured by Galibier, this is an evolution of the famous Pierre Allain rock shoe into a rock climbing shoe for big walls or bouldering yet easy on the feet for walking. Outstanding for crack and face climbs. Tough rubber and blue suede. **B210** **$25.50**

A EIGER. Heavy duty 6″ mountaineering boot imported from Italy. Uppers are of combination chrome- and oil-tanned leather, black in color, that is resistant to rock abrasion and water penetration. Extensively padded throughout ankle section; fully lined in calf. Hard toe and heel counter specially treated to hold shape. Vibram Montagna sole is cemented on, and reinforced by brass screws at toe and heel sections. Sole has no overhang. This boot has been proven on expeditions to the Andes, Himalayan and Alaskan ranges. Sized from 5 to 14 in five widths, A to E. Men's ave. wt. 4¾ lb., women's 4¼ lb. **B106** **$32.50**

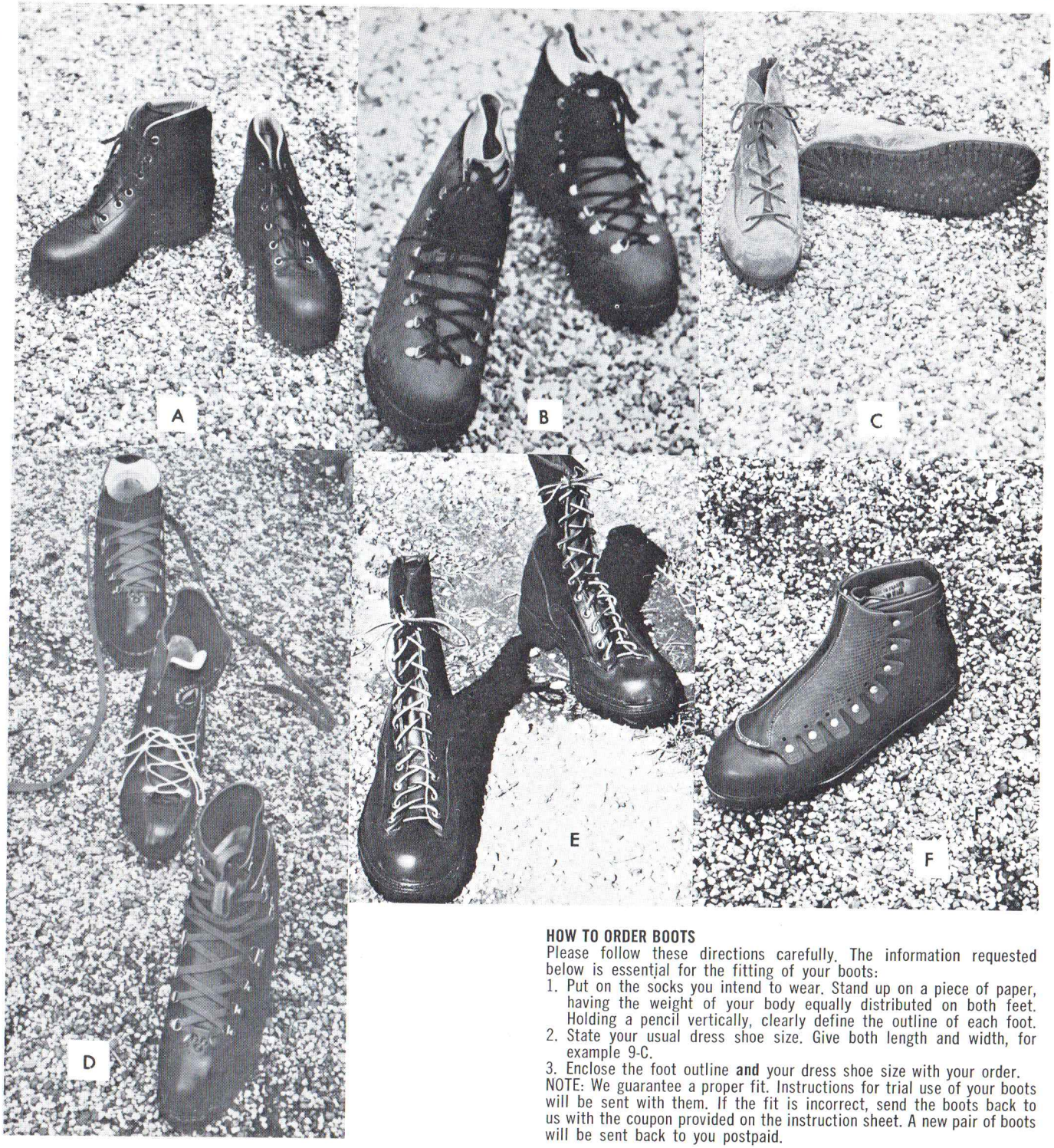
B MONTE ROSA. Developed in Europe for climbing in the Alps. 5″ height, oil-tanned leather with hide reversed "rough-out" texture for abrasion resistance. Fully lined with chrome-tanned leather, backed with foam rubber around the ankle section, including tongue. The Vibram Montagna sole has no overhang, assuring good balance on rock and technical ice. Has snow and scree collar. An excellent high alpine boot for use on snow and rock, and for general high mountain hiking. Four widths: A, B, C, D. Men's ave. wt. 4½ lb.; ladies, 3¾ lbs. Limited supply available. **B105** **$34.00**

C SPIDER. Italian shoe designed for technical rockclimbing. Soft unlined upper, hard toe. Exceptionally stiff Vibram Roccia sole for edging on tiny holds. The toe section is fully capped by an additional thickness of leather, as is the heel counter, giving full protection from rock abrasion around the whole shoe. Tough grey suede throughout. Sizes 5 to 14, widths AA to D. Men's ave. wt. 2¾ lb.; ladies, 2 lb. **B100** **$19.95**

D K-2. A high-altitude boot proven in the highest ranges of the Americas and Asia, made in Germany by Adolf Wagner. The only answer for technical climbing in very cold weather, since overboots are not needed for warmth. The separate inner boot is thickly padded and insulated at every point, including the sole, and has a 2¾″ insulated collar that wraps around lower part of the calf. Can be used independently as a hut boot or after-ski boot. The outer boot is made of black pebble-grained Muscovy hides with independent strong heel and toe-caps to take the abuse of cramponning. Secure lacing rings, hinged heel, and Vibram Montagna sole. Ave. wt. 6½ lb. sizes 8-14 in one width, Med./Wide. **B204** **$59.50**

E TRAILWISE PACKER. A proven favorite with many hunters, fishermen, construction workers, hikers, and mountaineers. The famous Munson last and rocker sole combines for excellent fit and hiking comfort. 8″ high tops, full-grain black semi-oil-tanned leather; hard toe; ebonite heel counter reinforced with outside counter; reverse overlapping upper seams (prevents seams snagging on rocks); and the imported deep-tread Vibram Montagna sole for good traction and long wear. Sizes 5 to 14; widths A to EE. Unlined. Men's ave. wt. 4½ lb.; ladies, 3½ lb. **B301** **$27.50**

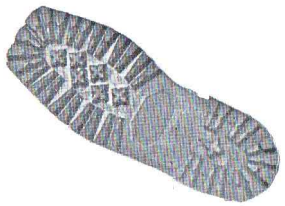
F LEROUX
A superior mountain boot for the expert climber. Manufactured by Le Phoque, this French boot is perhaps the most advanced boot in design and construction available today. The Leroux achieves the stiffness of sole required for hard cramponing and avoids a heavily built-up sole by using a fiberglass midsole sandwiched between two thin layers of leather. In addition, the fiberglass midsole provides excellent insulation. The uppers are constructed from black hard-grain leathers and a wide rubber flap buttons snugly over tongue and laces for snow and scree protection. Vibram Montagna sole. Sizes 7½ - 12, widths M, W. Average weight is 4 lbs., 12 oz.
B400 ..... **$41.50**



HOW TO ORDER BOOTS
Please follow these directions carefully. The information requested below is essential for the fitting of your boots:
1. Put on the socks you intend to wear. Stand up on a piece of paper, having the weight of your body equally distributed on both feet. Holding a pencil vertically, clearly define the outline of each foot.
2. State your usual dress shoe size. Give both length and width, for example 9-C.
3. Enclose the foot outline **and** your dress shoe size with your order.

NOTE: We guarantee a proper fit. Instructions for trial use of your boots will be sent with them. If the fit is incorrect, send the boots back to us with the coupon provided on the instruction sheet. A new pair of boots will be sent back to you postpaid.

RESOLING SERVICE. Rubber lug soles will not come loose if attached properly to boots. Proper attachment employs thermal bonding with a proven adhesive. We recommend that you engage your local shoe repairman to undertake resoling, as the savings in money and time are considerable.
Boots must be clean before they will be accepted for repair or resoling service.
Price includes sole, rubber midsole and labor.....**$13.00**
Cost of shipping and handling **1.50**
Note: Allow four weeks for two-way shipment and resoling service.



RUBBER LUG SOLES. Made of black compounded rubber that will grip on almost any surface except glare ice, they are used extensively by outdoorsmen and mountaineers throughout the world, and will outgrip and outwear ordinary rubber or nails in all respects. For resoling purposes, the rubber sole is only available in the Montagna model. It is a deep, heavy-tread sole, recommended for general hiking and mountaineering. Ave. wt. 1 lb. per pair. **B010**.....**$3.75**
Note: Be sure to include outline of present sole when ordering.

RUBBER MIDSOLES are needed to obtain best bonding of lug soles. Midsole is first stitched to boot sole, then the main lug sole is cemented to the midsole. Ave. wt. 6 oz. per pair. **B013**.....pr/**$1.50**

LEATHER LACES: For 8″ to 12″ boots. Rawhide laces; oil-tanned and made from heavy gauge leather. Length 72″. **B910**.....**pair/60¢**

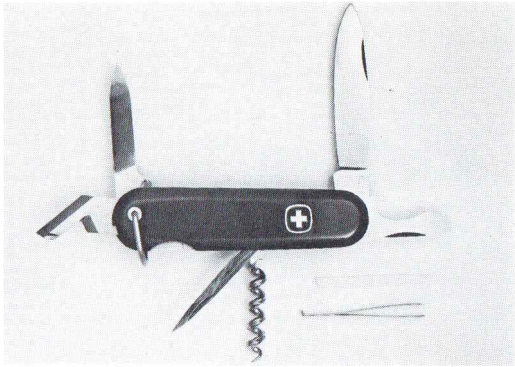
BRAIDED NYLON LACES: Textured, waxed nylon, particularly suited as lace material. It possesses unusually high tensile strength and will not slip due to its waxy finish. Colors: Black, Red, White. Two lengths:
54″ long. **A123/54** .....**pair/50¢**
72″ long. **A123/72** .....**pair/60¢**

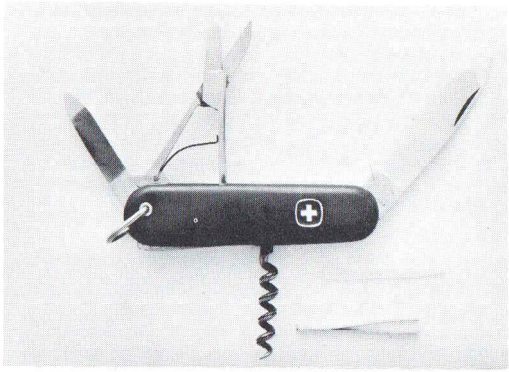
MESH INSOLE. Ventilated insole of woven Saran. Keeps feet dry and comfortable. Sizes 6 through 12½. **B900** .....**$1.50 pr.**

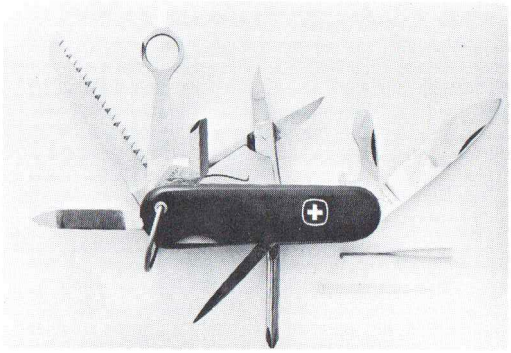
SNO-SEAL. The original wax waterproofing for leather. Formulated many years ago, but still considered to be the best for waterproofing ski boots in which firmness is the desired characteristic. Two sizes:
8 oz. can. **B902** .....**95¢**
4 oz. can. **B903** .....**60¢**

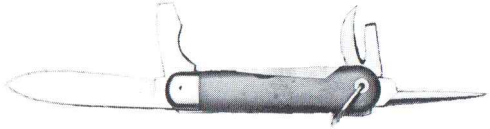
LEATHER SEAL. Specially prepared for waterproofing shoes, ski and hiking boots. Keeps leather pliable without undue softening. 8 fl. oz.
B905 .....**$1.10**

SNO-SHOO. Silicone spray preparation for shoes and boots. Net weight 8 oz. Shipping weight 12 oz. **B901**.....**$1.59**









SWISS ARMY KNIFE No. 730. Large Blade • Nail File • Can Opener • Cap Lifter • Lanyard • Corkscrew • Regular Screwdriver • Awl • Tweezers • Toothpick.
Closed size 3¼″x1″x½″. Wt. 2½ oz. **J730**.....**$6.50**

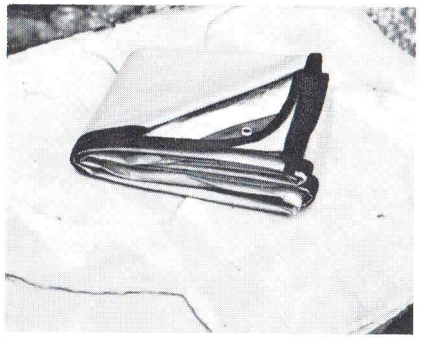
SWISS ARMY KNIFE NO. 727
Large blade — Nail File — Scissors — Can Opener — Hook Disgorger — Awl — Cork Screw — Tweezers — Toothpick — Lanyard Ring. **J727** **$10.95**

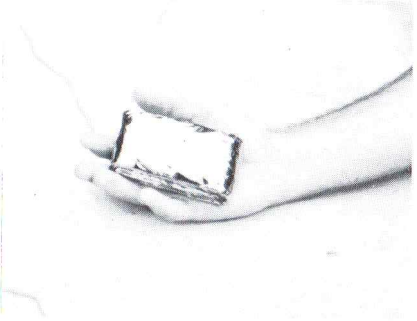
SWISS ARMY ISSUE KNIFE. Authentic, sturdy, functional knife as ordered and used by the Swiss Army. Features one 2¾″ main blade, can opener, screwdriver, scraper and two inch long punch. Stainless steel parts. Wt. 3 oz. **J701** **$5.50**

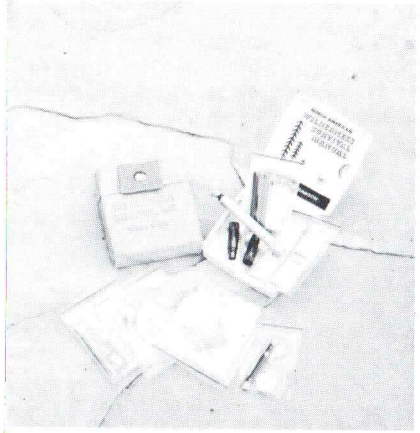
SWISS ARMY KNIFE NO. 532
Large blade — Cork Screw — Nail File — Scissors — Tweezers — Toothpick — Lanyard Ring. **J532** **$7.50**

SWISS ARMY KNIFE No. 776L. Large Blade • Nail File • Scissors • Saw • Firestarting Glass • Can Opener • Screwdriver • Cap Lifter • Tweezers • Tooth Pick • Phillips Screwdriver • Awl • Lanyard.
Closed size 3¼″x1″x⅞″. Wt. 4¾ oz. **J776**.....**$13.95**

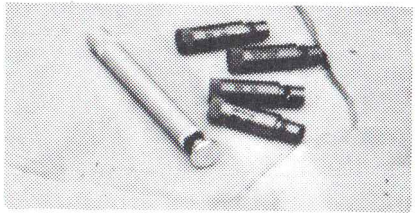
EXECUTIVE SWISS ARMY KNIFE. Diminutive size (2¼″ long) conceals a variety of useful functions: Pen Blade, Nail File and Scissors are keenly honed and operate with watch-like precision. For fly-tying, manicuring, coupon-clipping, pipe reaming, opening packages . . . for those who need a good knife but don't like an inelegant lump in the pocket. Wt. ½ oz. **J782**.....**$5.30**







NOTE: Any orders containing flares cannot be sent by Parcel Post and will be shipped via United Parcel within our UPS service area. All others will be shipped REA Express collect. Minimum REA rates per shipment are **$5.50.**



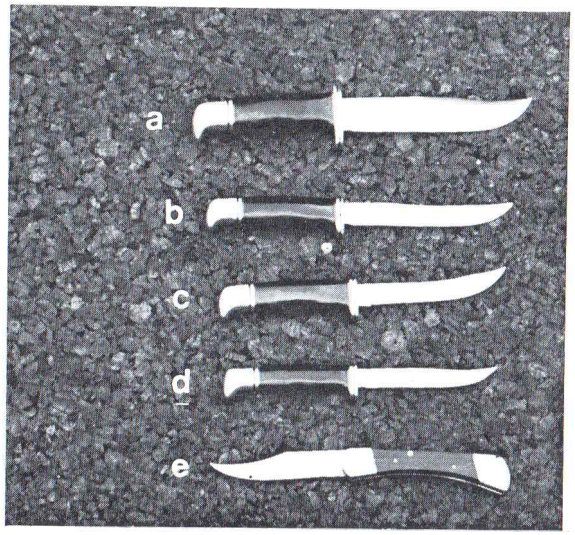
SPACE™ SPORTSMAN'S BLANKET
Made of a revolutionary new material developed through aero-space technology, this amazing full-size (56″ x 84″) blanket reflects up to 80%-90% of the body's warmth, yet folds to only 5½″ x 8″ and weighs a mere 11 ounces.
Tough enough to take on the 1967 winter ascent of Mt. McKinley, the Sportsman's Blanket has also proven itself in the jungles of Ecuador. Obviously no ordinary blanket, the Space Sportsman's Blanket is waterproof and windproof. It will never crack, rot, or mildew and remains flexible at 60° below zero. Pound for pound it is ten times warmer than wool; and with bound edges and grommeted corners, this versatile blanket may also be used as a ground sheet, wind break, boat or stadium blanket—even a radar reflector. Colors: Red, Blue or Olive with Silver.
E701 ..... **$7.95**

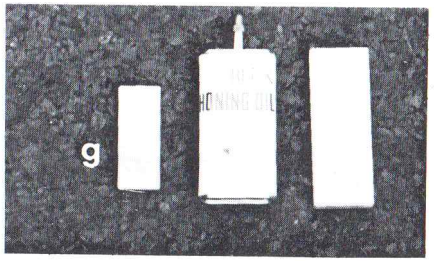
SPACE™ RESCUE BLANKET
Full size (56″ x 84″) ultra-light-weight expandable emergency blanket based on a superinsulation material proven in space missions. Reflects up to 90% of a covered person's body heat back to him while keeping out rain, wind and snow. Remains flexible at temperatures as low as 60° below zero. Folds to a tiny 1½″ x 2″ x 4″ and weighs only **2 oz.** Recommended for inclusion in any survival kit.
E702 ..... **$3.00**

WILDERNESS SURVIVAL KIT (Deluxe Model)
An excellent, compact, basic survival kit. Contains: Snare wire, fly line leader, nylon thread, three safety pins, ten assorted fishhooks, two plastic bags, ten wooden matches, three candles, four salt packets, aluminum foil, two adhesive pads, two Band-Aid strips, two gauze pads (2″ x 2″), six aspirin, one single-edge razor blade, two needles, compass,. whistle, pocket knife with two blades, 21″ length of ⅛″ rubber tubing, signaling mirror, aerial flare launcher with two .45 caliber red star aerial flares, and the North American Wilderness Survival Manual.
The entire kit packs into a 4¼″ x 4½″ plastic case which in turn is packed in a canvas case. Weight is 10 oz.
E901 ..... **$12.50**

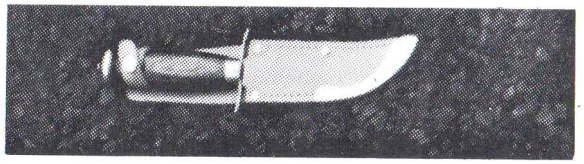
WILDERNESS SURVIVAL KIT (Standard Model)
Identical to Deluxe Kit except that it does not contain flare launcher and aerial flares. Weight is 8 oz.
E902 ..... **$6.95**

FLARE LAUNCHER AND SIX AERIAL FLARES
This flare gun cannot be carried in a cocked position, thus minimizing the possibility of accidental firing. It is the only flare launcher that will fire all .45 caliber aerial flares. Flares sold with this launcher have the following capabilities: Elevation 300-400 feet, candle power 10,000-12,000, visibility range 10-15 miles. Launcher is only 4¼″ long and weighs 4 oz.
E903 ..... **$10.00**





g **BUCK HONING KIT**
Everything you need to keep your Buck Knives shaving sharp. Washita stone for fast cutting on tough Buck steel. Buck Honing Oil promotes abrasive action of stone and speeds up sharpening. Arkansas finish stone for that final razor edge. Packed in an attractive plastic case. Weight including case, 13 oz.
J133 ..... **$4.75**



SWEDISH HUNTING KNIFE. Best quality Swedish tempered steel. Hollow ground blade holds an exceptionally keen edge. Wood grip with steel cap, 4⅜″ long blade. Comes with riveted leather sheath and loop for belt. Wt. (including sheath) 5½ oz.
J781 ..... **$2.95**

BUCK KNIVES
Half a century ago, a young blacksmith developed a tempering method for transforming high carbon steel into a blade so tough and durable that it cut through nails and retained its edge even when cutting through bone. This amazing tempering process has been handed down as a Buck family secret for three generations.
Blades are hand forged from a special high-carbon steel, semi-hollow ground, then finished and honed by hand.
Handles are individually formed from ebony phenolic, a material used in spacecraft because it is impervious to heat, cold and shock and is practically indestructible. Contours fit the hand comfortably without slipping, even when wet. Guard and trim are of aluminum and fiber. Butt is dural metal for lightness and balance.
Each Buck Knife is equipped with a non-reflective black sheath of tough cowhide, stitched with linen thread and sized and shaped to fit its individual knife. Sheaths have a spacer block of heavy bull leather to protect the knife edge. A snap-down safety flap covers handle and protects against loss.
Buck Knives are entirely handmade and fully guaranteed for the life of the purchaser and are further guaranteed to hold an edge better thany any knife known today.

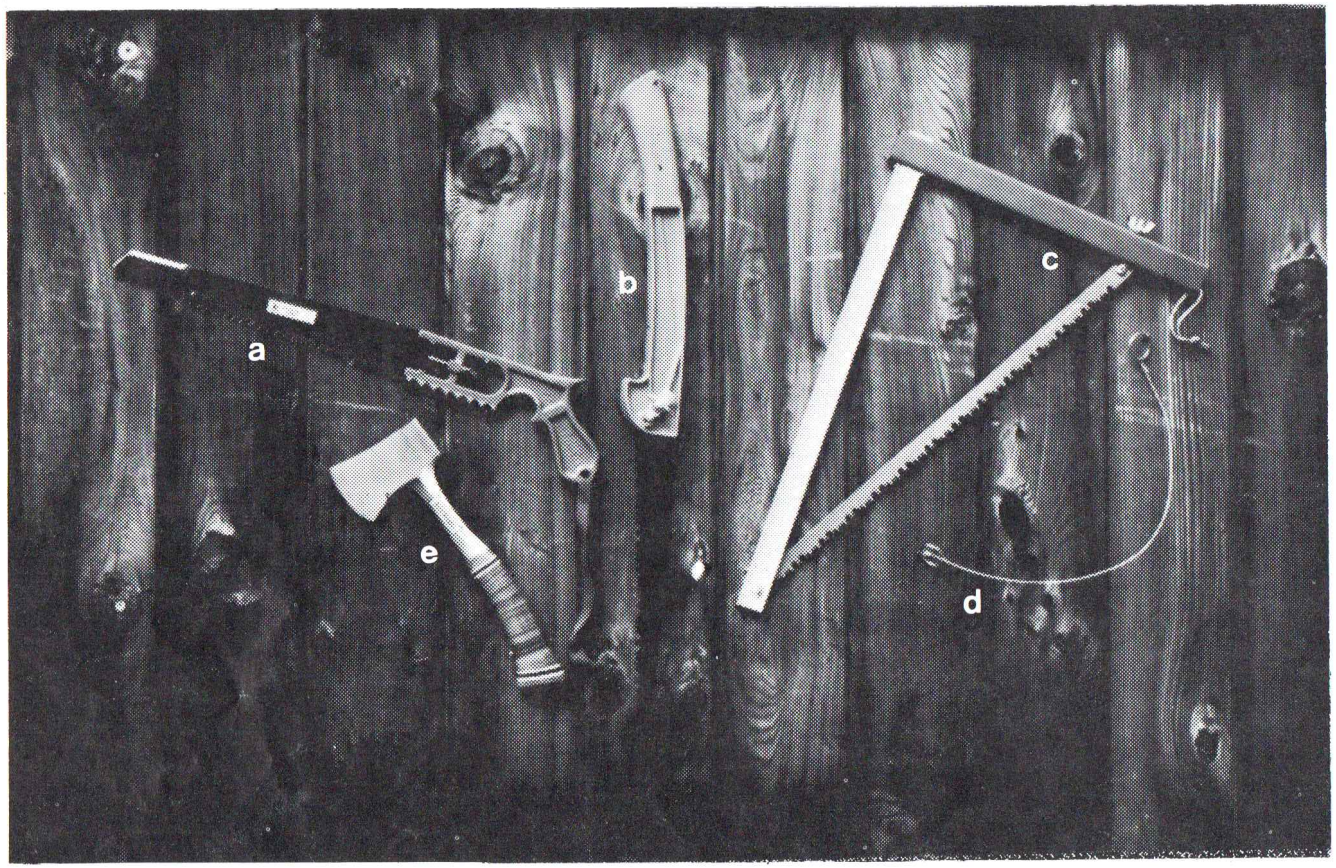
a **SPECIAL**—Model 119
A heavy-duty Bowie-styled knife with blood grooved 6″ blade. Beautifully balanced and shaped. Good for all-around camp use. Weight with sheath, 12 oz.
J119 ..... **$20.00**

b **PATHFINDER**—Model 105
A rugged multi-purpose knife for general outdoor use. Five inch blade is much heavier than Model 118 below. Weight with sheath, 7 oz.
J105 ..... **$16.00**

c **PERSONAL**—Model 118
Mr. Buck's original design has never required alteration. 4½″ blade combines upswept point of skinner with slender blade of small game knife. Weight with sheath, 6½ oz.
J118 ..... **$14.00**

d **WOODSMAN**—Model 102
4″ straight blade with fine point for cleaning fish or dressing out small game as well as general camp use. Weight with sheath, 6 oz.
J102 ..... **$13.00**

e **FOLDING HUNTER**—Model 110
4″ blade pivots on ¼″ bearing and has positive lock in open position. Handle is golden-grain Macassar ebony wood with solid brass bolsters and liner cast in one piece. May be carried in pocket or sheath. An ideal heavy-duty outdoor knife for those preferring a folding blade. Overall length when closed is 5″. Weight with sheath, 8 oz.
J110 ..... **$16.00**



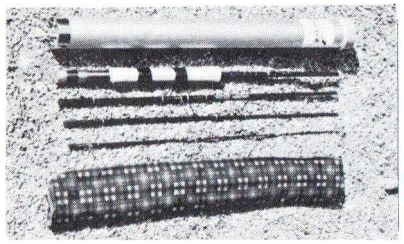
a SURVIVAL SAW. High carbon manganese tool steel blade, with carefully hardened, filed and set high speed teeth. Will cut 16" to 18" snow blocks and green, frozen or dry logs up to 20" at great speed. Ice pick edge used to start hard snow or ice. Back edge has 2" razor edge to use for skinning or emergency knife. Grip is hardened alum. alloy. Red lacquer for easy visibility. Case is of O.D. canvas with reinforced tip and hanger. Folded in case 14½". Assembled 30¼". Wt. 10 oz. **J516**.....**$13.95**

b SWEDISH FOLDING SAW. Leave your hatchet behind and save weight. This saw weighs only 9 oz. and folds up safely in its own handle. 11" blade makes short work of 6" logs. **J500**....**$4.25**

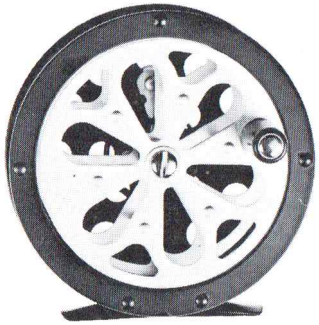
c SVEN SAW. Rugged folding bucksaw with tempered Swedish Steel blade. One wing nut secures entire assembly when in use or when being carried. The 20" blade is completely and safely enclosed when saw is folded. The frame is of anodized aluminum and designed for maximum rigidity while being light in weight and easy to assemble. Saw is very fast and will zip through large frozen logs. Carrying size is 23" x 1½" x ½". Wt. 1 lb.
J521 .....**$7.50**
Extra blades w/attached stud. **J521/b** **$1.60**

d WONDA-WIRE SAW. A fine item to have in a survival kit. Hardened steel saw weighs only ½ oz., yet saws wood, ice, plastic, masonite, plaster, etc. with ease. Rugged, lightweight, compact and inexpensive, this unique little saw fills a variety of needs. A bow can be cut of green wood and fitted to the end-rings, making a bucksaw for around the camp. **J522**.....**89¢**

e LIGHTWEIGHT ESTWING AXE. Forged from one piece of tempered steel. Rawhide grip permanently molded to handle. 12" long; cutting bit 2⅞" long. Leather sheath included. Wt. 1 lb.
J511 .....**$6.75**

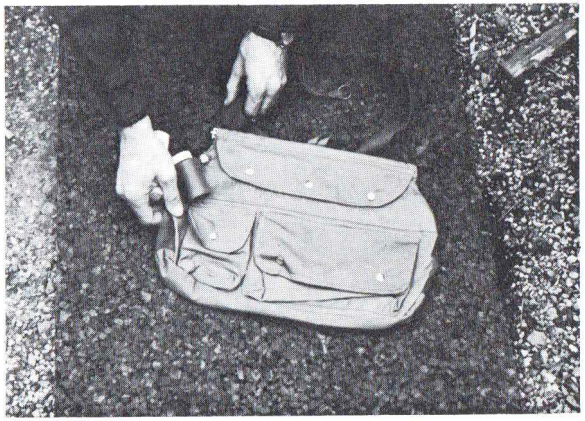


FENWICK COMBINATION ROD
Patented Feralite ferrule allows the Fenwick rod to bend in an uninterrupted power curve, producing the action, lightness and strength of a one-piece rod. In addition, a properly assembled Feralite ferrule is the strongest section of the rod and is impossible to break regardless of the strain applied. We believe the Fenwick Combination Fly and Spin Rod to be the finest rod available for the backpacker. 7' rod breaks down to 22" (4 pieces) for ease in packing and weighs only 3¾ ounces. Packed in a cloth case and sturdy aluminum tube, total weight is 15 ounces. All Fenwick rods are registered and fully guaranteed.
K903 .....**$39.95**



PFLUEGER FLY REEL. Aluminum single action reel. Removable spool and adjustable click. Frame is a green metal finish: spool in satin finish. Sturdy. Large line capacity. Wt. 3½ oz. **K912** **$6.95**

COMPAC SIERRA SPINNING REEL. The companion reel for the 4-Piece Spinning Rod. Has full bail, take apart handle and finger tip anti-reverse switch. Enamel die case, aluminum body. Retrieve ratio 3.2 to 1 by reinforced nylon drive gear and brass pinion gear. Reel will hold 200 yds. of 4 lb. monofilament. Wt. 5½ oz. **K911**.....**$4.50**



COLLAPSIBLE CREEL. A lightweight creel suited to the needs of the backpacker-fisherman. Main pocket is of waterproof, coated fabric. Cotton twill with two accessory pockets on outside. Nylon mesh air vents on ends. Shoulder strap of cotton web. 15" x 10" x 3" Wt. 8 oz. **K920** **$5.50**

A **FOLDING CANDLE LANTERN.** A well designed lantern in all respects—safety, lightness, illumination and compactness. Mica windows on three sides and hinged door on rear. Folds flat into a compact size of ⅝" x 2" x 6". Size when open is 3" x 3" x 6". Properly vented. Weighs only 4 oz. **E210** **$3.00**

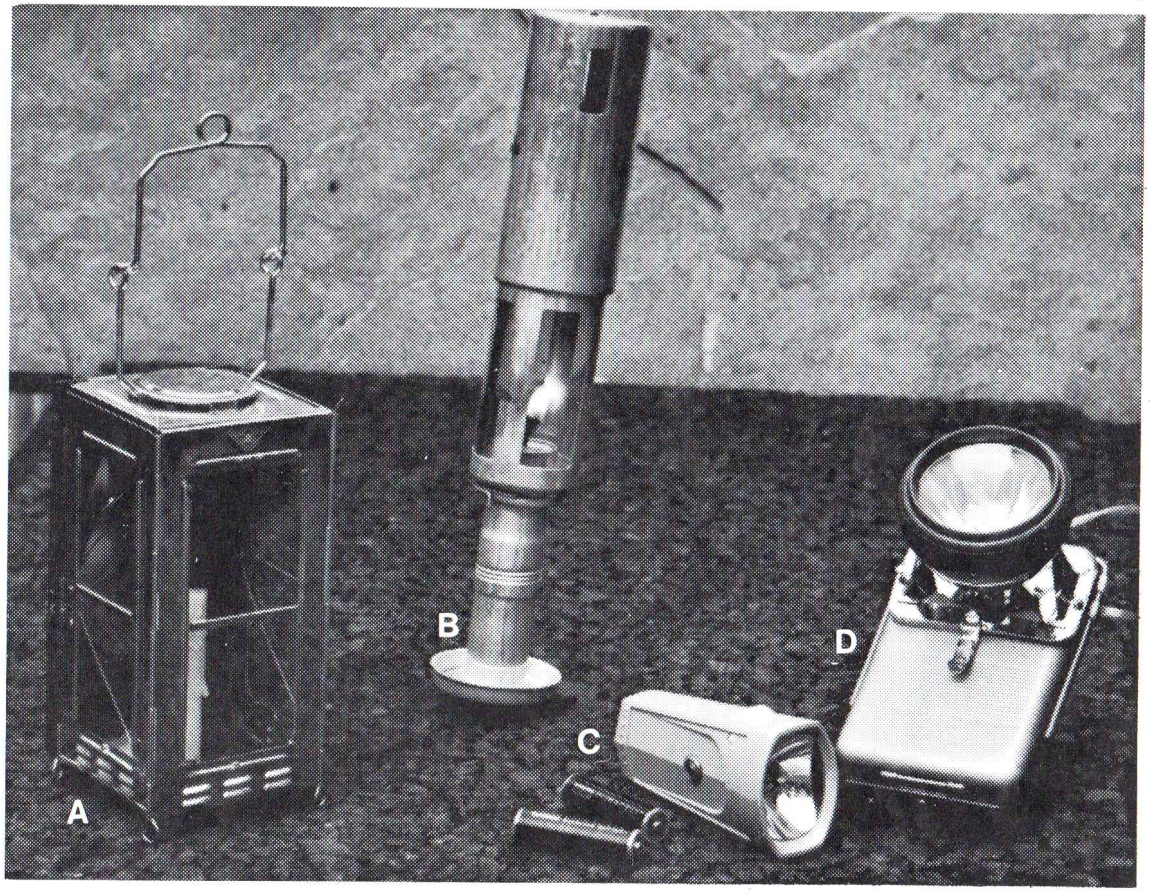
B **FRENCH CANDLE LANTERN.** Cylindrical aluminum lantern, 2" x 4½" when collapsed. Opens to 11½" long. Shielded glass chimney; spring mechanism keeps candle at uniform burning height. Lighter than a flashlight. Stearene candle adapts nicely. Wt. 3¾ oz. **E209** **$4.00**

STEARENE CANDLES. Will burn about 3 hours. Can be used with candle lantern.
Each **7¢.** **E211** ..... One dozen **85¢**

C **MALLORY POWER BEAM FLASHLIGHT.** Compact flashlight that throws 250 foot beam. Moulded plastic case. Comes with 2 long life, penlight size Manganese Batteries. Size approximately 1¾" x 1¼" x 4" long. With batteries weighs only 3¼ oz.
E105 ..... **$1.98**

D **BRITISH HEAD LAMP.** This exceptionally well made and sturdy lamp will hold 3 standard flashlight batteries. The lamp may be detached from the battery case and worn on the head by means of the elastic band while the battery case is carried on belt or in pocket. On the case is a wire bail which can be pulled into position for hand carrying the lantern. The battery case size is 5½" x 3" x 1½". Grey finish. Wt. without batteries 14 oz. **E101** . **$6.25**

ALKALINE BATTERIES. For continuous heavy drain application. Will last from five to ten times as long as ordinary batteries. Three sizes:
"D" Size. 1¼" diameter. Wt. 4 oz..... **E124**..... **75¢**
"C" Size, 1" diameter. Wt. 2 oz..... **E123**..... **60¢**
"AA" Size. 9/16" diameter. Wt. ⅞ oz..... **E121**..... **50¢**
4 "AA" size cells **$1.95**



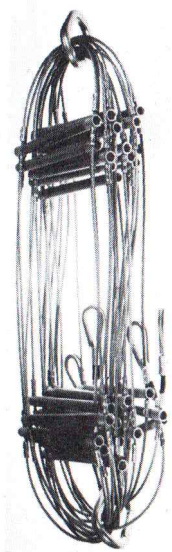
Late Arrival — No Photo
BEREC FLASHLIGHT tiny, powerful, weight 1¾ oz. Uses AAA cells. **E112**....**$1.00**

AAA cell for Berec light. **E122**.....**50¢**

CAVING HELMET. Light and tough yellow fiberglass helmet with lamp bracket. Manufactured by Mine Safety Appliances. Top protection with a minimum of weight. Adjustable head size. Wt. 17 oz.
HT104 ..... **$8.25**

CARBIDE LAMP. Small miner's lamp. Burns carbide gas. Stands 3¾" high; ¾" flat hook for attaching to cave helmet listed on page 19. Two sizes:
2½" reflector dia. 7 oz. **E212**.....**$4.95**
4" reflector dia. 8½ oz. **E213**.....**$4.95**
Note: Carbide fuel not mailable, but can be obtained locally.

KBL CAVING LADDER: Very highest quality construction, design and strength. Designed primarily for cavers, but also used by many rescue organizations. This ladder was used for fixed routes by the American Everest Expedition. Construction: ⅛" galvanized steel cable rated at 2000 lbs. tensile and tested to failure at 4200 lbs. Aluminum rung crimps spaced to allow cable rotation; crimped twice. Aluminum tube rungs ½" x 6" tested to bending at 2200 lbs. Two hole thimble crimp tested to 2800 lbs. crimped twice. Thimbles: to size for cable diameter and also house cable against abrasion. Ladder folds by twisting every other section and folding upon self . . . will fall free without tangling. Ladder is 30' long; join two together with carabiners. (Carabiners not inclu.) 30' ladder/12" rung centers. Wt. 3 lb. 14 oz. **K801**.....**$25.00**



BLEUET BUTANE LANTERN. One of the best compact lanterns we have yet seen. Uses pressurized cartridges as in the S-200 stove (P. 12). Economy and simplicity of operation; just turn valve and light. Lantern will burn for 4½ to 5 hours at full on position. Globe is of frosted glass, providing a bright glare-free light. 12" high. Wt. 2 lb. 5 oz. with one full cartridge. **E216** **$12.95**

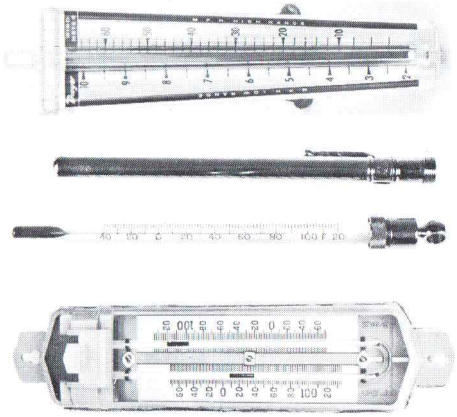
EXTRA BUTANE CARTRIDGES FOR LANTERN. PAGE 8

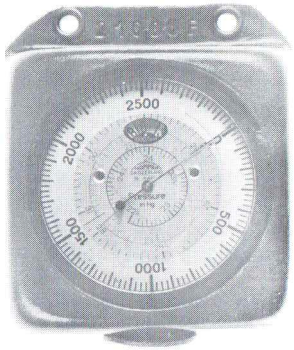
MANTLES. For above lantern.
E217 ..... **ea./15¢ 3 for 40¢**

BUSHNELL MONOCULAR
A small (3½" - 4 oz.) prismatic scope made to Bushnell standards of precision and quality. Fully coated lenses and prisms project crisp, brilliant, distortion-free views. Comes with two readily interchangeable lenses: 8 power, 24 mm, wide view lens gives a 437′ viewing circle at 1,000 yards; 6 power, 18 mm, extra-wide view lens gives a 577′ viewing circle (equal to the widest angle binoculars) at 1,000 yards. Either lens may be used alone as a magnifying glass. Soft, zippered carrying case, wrist strap, and protective lens caps are included.
J401 ..... **$19.95**

BUSHNELL 7 x 18 PRISMATIC BINOCULAR. Featherlight, palm-pocket size. Magnifies 7 times. Light gathering ratio 2.57:1. Angle of field 6.2°. Bushnell quality throughout. For those who go light; mountaineers, backpackers or light-weight travelers. Includes fitted carrying case. Bushnell 20 year guarantee. Wt. 6 oz. Center Focus **J403** **$29.50**

BUSHNELL CUSTOM COMPACT BINOCULARS
Selected by NASA scientists for use in Gemini space flights, this is the finest compact binocular we have ever seen. Three inches high and weighing only 11 ounces. The Custom Compact easily fits into jacket or shirt pocket. Featuring superb optics, rugged construction and extendible eye cups that give a full field of vision with or without glasses. Clarity and brilliance are unsurpassed. Includes fully-lined, reinforced case of top-grade black cowhide. Twenty year guarantee on parts and service. Field of view at 1,000 yards: 420′. Center focus. Two powers.
J405 6 x 25 ..... **$64.50**
J406 7 x 26 ..... **69.50**





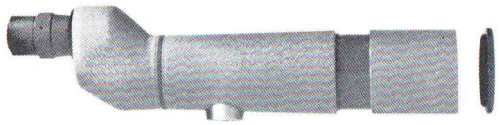
THOMMENS HIGH ALTITUDE ALTIMETER. Reads up to 21,000 feet with accuracy of ± 30 feet within the entire range. Compensated for temperature changes. Instrument also has a barometric scale with a range of 22.5 to 31″ of mercury. Comes in neat leather case. Size 2⅞″ x 2½″ x ⅞″. Wt. 28 oz. **J201** **$70.00**

WIND SPEED INDICATOR. Accuracy of ½ mile/hr. on low scale and 3 mi./hr. on high scale. Dual range scale reads from 2 to 60 mi./hr. Instrument is precision die molded of acrylic plastic. Size 8″ x 3″ x ½″. Wt. 2½ oz. **J101** **$5.95**

THERMOMETER. Ideal for mountaineers and campers. Range of −30°F. to 130°F. Comes in a metal case 6¼″ long, ⅜″ diameter (about pencil size) with pocket clip and carrying ring. Wt. 1½ oz. **J102** **$2.50**

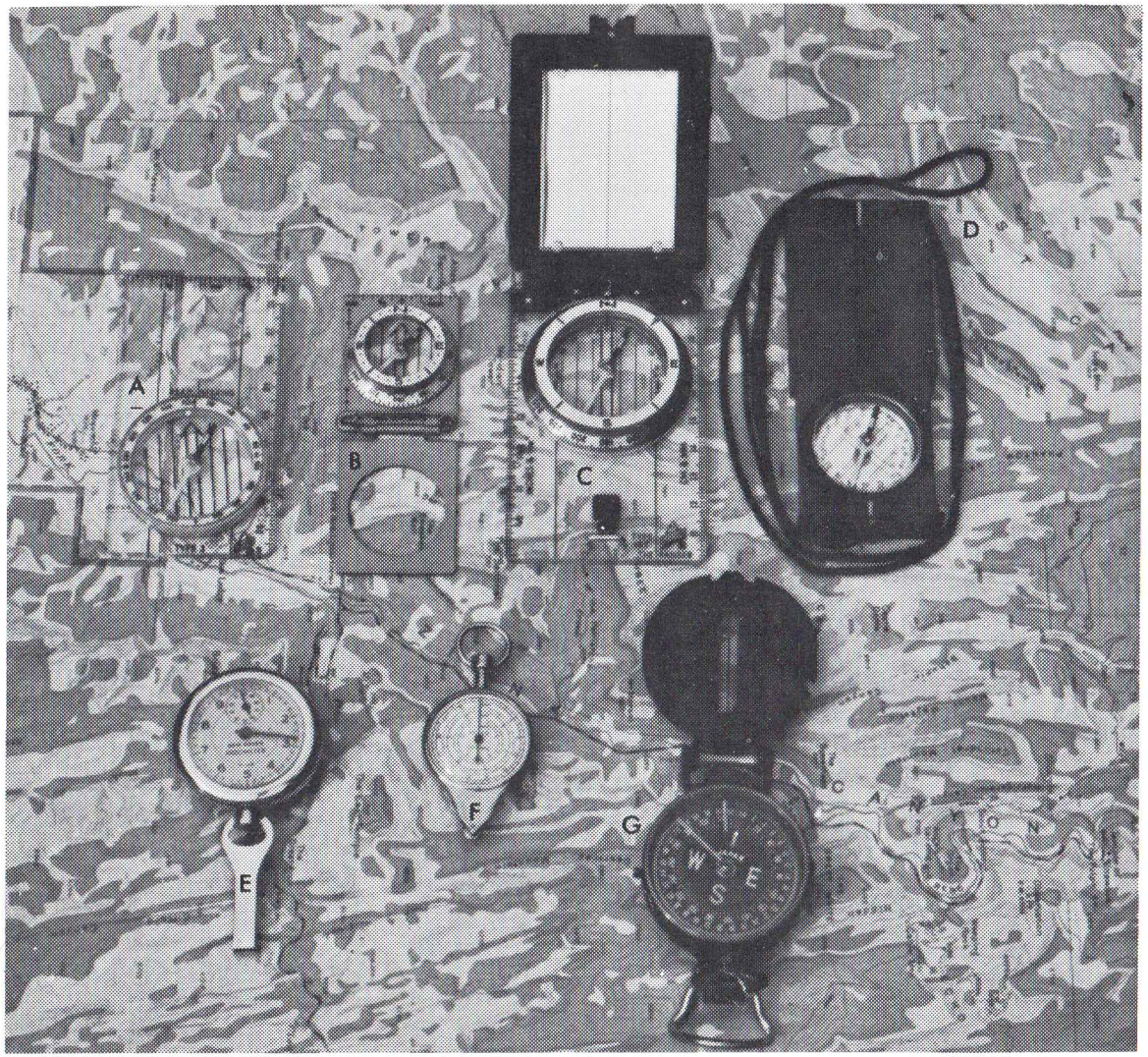
GLASS STEM REPLACEMENT TUBE for above thermometer.
J404 ..... **$2.20**

MAX-MIN THERMOMETER. Has a range from −30°F. to 130°F. This instrument will record the lowest temperature and the highest temperature from the time of its last setting. Easy to reset. Small size 2⅜″ x 10½″ x 1¼″. Wt. 6 oz. **J103** **$12.95**



BUSHNELL SENTRY TELESCOPE. A compact, powerful spotting scope with a wide field of vision. Has a hard-coated 50mm objective lens with retractable sunshade. 13″ long. Eyepiece is 20 power, with 2.6mm exit pupil that gives a field of 131′ at 1000 yards. Mounts on any camera tripod. Lens caps provided for both ends. Wt. 18 oz. **J407** **$54.50**
EXTRA EYEPIECES. 32x with 76′ field, 1.7mm. **J408** **$19.50**
48x with 40′ field, 1.1 mm. **J409** **19.50**

ALARM WRIST WATCH. Swiss made. Sweep second hand. Stainless steel case. 17 jewels. Antimagnetic incabloc. Unbreakable mainspring. Buzz alarm will run for 15-seconds. Leather wrist band. Watch size 1⅜″ Dia. x ⅜″. Wt. 1½ oz. **J105** **$39.50**



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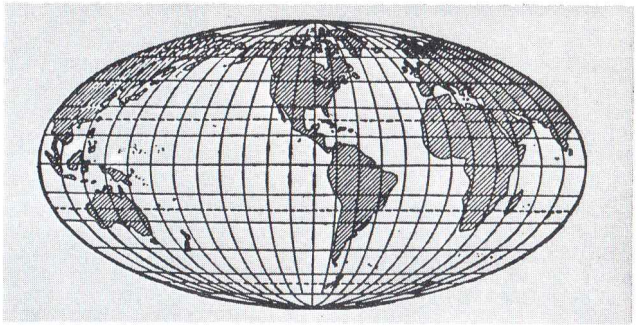

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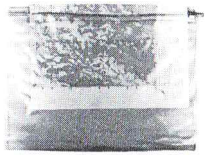

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ON SNOW AND ROCK by Rebuffat. An outstanding book of mountaineering technique by one of the foremost authorities: the only book which we have seen illustrated with step-by-step photos of advanced and artificial technique. 285 excellent photos, with several in full color. Text in English. An exceptional value for for the photography alone..... **$10.00**

ROPES, KNOTS AND SLINGS FOR CLIMBERS, by Walt Wheelock. The most current descriptions of new equipment, rope strengths, care of rope, knots, slings, etc. 1960 ..... **$1.00**

THEORY OF BELAYING, by Arnold Wexler, a mathematical analysis of the statistics and dynamics of belaying. A.A.C..... **75¢**

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AMERICANS ON EVEREST by James Ramsey Ullman. For the first time, in 1963 an American climbing expedition reached the top of the world's highest peak. On May 1st two men reached the summit by way of the South Col, and three weeks later the same route was again climbed as well as a route by the West ridge, which had never before been negotiated. 429 pp. 70 photos..... **$8.95**

CONQUISTADORS OF THE USELESS, by Lionel Terray. The autobiography of the famous French climber, who describes his ascents in the Alps, Himalaya and South America. Over 80 excellent photographs. 351 pp. **$5.95**

DIRETTISSIMA—THE EIGER ASSAULT by Peter Gillman and Dougal Haston. The story of the 1966 direct line ascent of the Eiger's North Face. Excellent photos, many in color. **$5.95**

I CHOSE TO CLIMB, by Christian Bonington. Foreward by Eric Shipton. The Cima Grande, the Eiger, the Southwest Pillar of the Dru, Annapurna and Nuptse are some of the climbs described by this outstanding member of the new climbing generation. 43 photos. **$4.25**

JOE BROWN: THE HARD YEARS, An Autobiography. British climbing's "hard man" engagingly relates his mountaineering experiences all over the world. Of special interest is his account of the Anglo-Russian expedition to the Pamirs which ended with the tragic deaths of Wilfred Noyce and Robin Smith. 42 photographs. **$5.95**

KARAKORAM, by Fosco Maraini. An English translation of the Italian "Ascent of Gasherbrum IV." The account of the Italian Alpine Club's successful 1958 expedition to Mt. Gasherbrum IV (K-3)—and one of the most vivid narratives of an expedition and its encounters to appear in several years. For the more than 100 superlative photographs (55 in color) alone the book is a "must." 1961. **$10.00**

KAYAKS TO THE ARCTIC, by E. B. Nickerson. To fish, to drift lazily down the river in the midnight sun, to be together as a family away from civilization's many distractions were the aims of Elinor Nickerson and her family. The variety of their experiences and encounters with Eskimos and Indians of the Northwest Territories comprises this amusing and often exciting new book. **$4.95**

THE EXPLORATION OF THE COLORADO RIVER AND ITS CANYONS, by John Wesley Powell. Reproduced from the original plates, this is the only uncut edition of Powell's narrative in the last 60 years. Includes the full text of the later expedition along the Uinta, where Powell rediscovered the Pueblo Indians, and his later reflections on the expedition. 250 fine illustrations and photographs. **$2.50**

THE MAN WHO WALKED THROUGH TIME, by Colin Fletcher. A NEW title by the author of the best-selling **Thousand Mile Summer.** An exciting record of Mr. Fletcher's end-to-end walk through the Grand Canyon. Filled with data and tips for the back-packer intent on saving those few precious ounces of gear. **$5.95**

MOUNTAINEERING IN THE SIERRA NEVADA, by Clarence King. A classic of Western belles-lettres and long out of print. King's book has been reprinted from the 1892 edition, unabridged and with an introduction by Thurman Wilkins. Western Americana series. .. **$4.95**

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SPRINGS OF ADVENTURE, by Wilfrid Noyce. 240 pp. with illustrations, bibliography. A delightful discussion on the motives behind "true" adventure . **$3.75**

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THE WHITE SPIDER, by Heinrich Harrer. First published in 1959, this book has already been recognized as one of the classics of mountaineering literature. It traces the history of the North Face of the Eiger up to the 13th successful climb made in 1938. An almost vertical pyramid of rock and ice 6000 feet high, the North Face remains the most dangerous face in the Alps and a permanent challenge to the best climbers. Harrer's history is reliable, informative, extremely entertaining. 1965 edition..... **$6.95**

MOUNTAINEER'S LIBRARY

BETWEEN HEAVEN AND EARTH. By Gaston Rebuffat. A fitting sequel to the now-classic Snow and Rock. 112 photographs by Pierre Tairraz illustrate the Grand Traverse of Mt. Blanc and all its satellites, the South Face of the Midi, and the Bonatti routes on the Drus. Rebuffat's philosophic text will delight all mountaineers. In English **$12.50**

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ON THE LOOSE, by Terry and Renny Russell. Combining their own photographs and quotations in Terry's fine calligraphy, two teenagers record their discovery of mountain and desert wilderness. A handsome gift, bound and encased. From the Sierra Club. **$6.95**

ROCK CLIMBERS IN ACTION IN SNOWDONIA, by John Cleare and Tony Smythe. "This book... provides more of the **raison d'etre** of rock-climbing than any other book I've seen. Its modest purpose is simply to present the climbing scene in North Wales, but so much of the experience comes through that any climber can readily identify with it." **ASCENT** 1967. 39 photos. **$6.50**

STANDARD ENCYCLOPEDIA OF THE WORLD'S MOUNTAINS, ed Anthony Huxley. Mountain peaks, ranges, glaciers and passes are discussed in detail; geology, flora and fauna. Color plates, maps, glossary and gazetteer. 383 pp. 1962... **$9.00**

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AMERICAN ALPINE JOURNAL **$5.00**
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Current issue ..... **40¢**
Back issue **$1.00**

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CROSS-COUNTRY SKI BOOK. by Caldwell. The author, a coach and ex-Olympic skier, writes for first time skiers as well as for downhill skiers. Contents include technique for stride and poling over varied terrain, equipment, laying a course, waxing, tips for outings with family. Fully illustrated with photographs **$3.50**

HOW TO SKI THE NEW FRENCH WAY, by Georges Joubert & Jean Vuarnet. Committed to none of the formal systems of international ski schools, Joubert and Vuarnet present a complete course of ski instruction based on the most advanced techniques of today's champions, such as Guy Perillat, the Goitschel sisters and Jean-Claude Killy. Introduction by Tom Corcoran. **$5.95**

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CANOEING, by Carle Handel. A full description of techniques for maintaining and handling the canoe. Illustrated. **$4.00**

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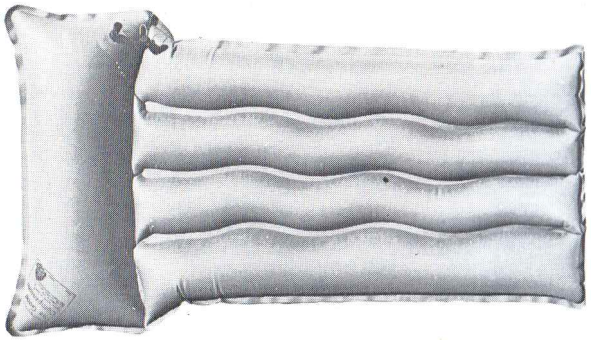
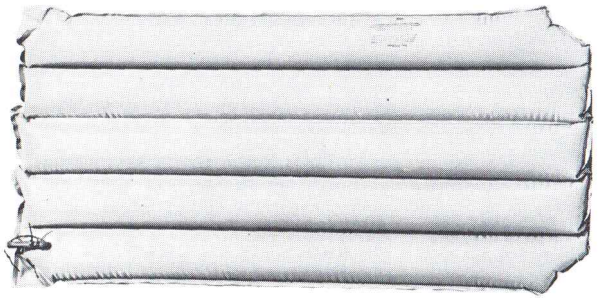
WHITE-WATER SPORT, by Peter Whitney. Running rapids in kayak and canoe for beginner and experienced boatman. Chapters on choosing equipment, understanding the river, racing, organized cruising and safety. **$4.00**

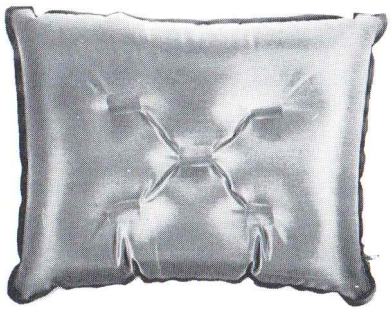


"SCOTTIE." A lightweight, hip-length air mattress made by Thomas Black. Has four longitudinal air tubes and pillow. Sturdy rubberized canvas. Inflated size 45" x 22". Color: Green. Wt. 2 lb. **S345**.....**$8.95**



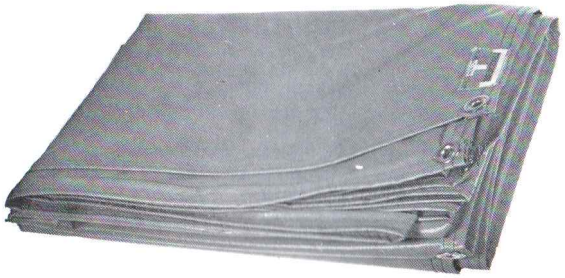
NYLON 48" BACK PACKER. Mildew proof, stain and rot resistant. Two ply gum rubber vulcanized on inside. 5 tubes. Rubber molded valve with nylon plug stopper. Bright orange on one side, green on other. Inflated size approx. 48" x 22". Wt. 1 lb. 12 oz.
S348 .....**$9.50**

NYLON 72". Similar to Nylon 48" model except made longer. Inflated size 22" x 72". Wt. 2 lbs. 10 oz. **S372**.....**$11.50**



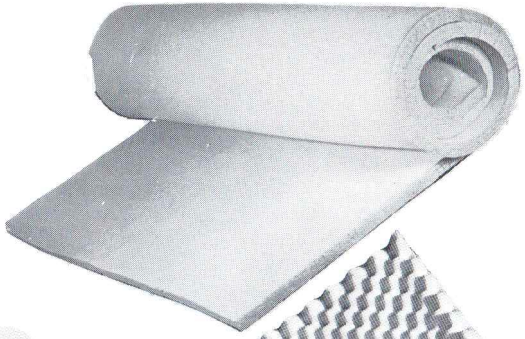
STEBCO AIR CUSHION. Can be used anywhere. Serves as head pillow, stadium seat, back support, car seat, beach and pool side etc. Easily carried in purse, pocket, glove compartment. DuPont nylon. Chrome plated twist "Positive Lock" valve. Color is Hunter green. Inflated size is 19½" x 15½". Wt. 8¾ oz. **S601** **$3.50**

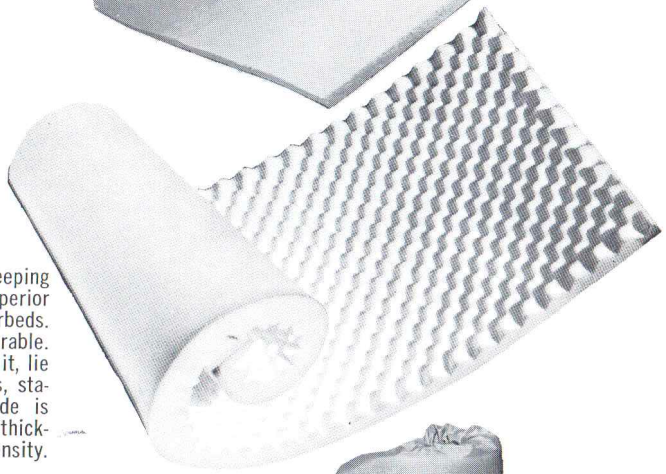
LI-LO INFLATOR. A compact concertina type pump that will inflate your mattress in a few minutes. Very necessary in high altitudes and a big help at any altitude. Can be used on any mattress. Wt. 7½ oz.
S701 .....**$1.95**



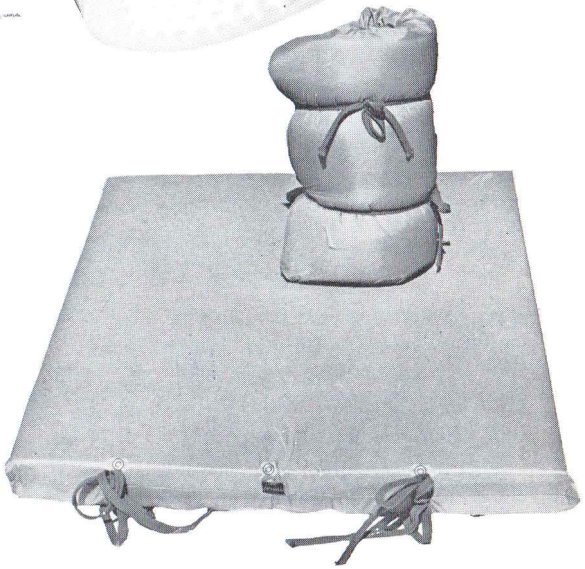
TRAILWISE NYLPORT GROUNDSHEETS. Made of an extremely fine woven nylon that is waterproofed with Urethane coating. Urethane coating remains flexible at low temperatures. Hemmed edges, grommets in corners and reinforced at points of strain. This is the lightest of groundsheets and will give excellent service with reasonable care. Color: Beige. Two Sizes.
5'x7' Wt. 13 oz.....**S120/57**....**$11.50**
7'x9' Wt. 1 lb. 8 oz....**S120/79**....**$16.50**

ENSOLITE SLEEPING PAD. Unicellular foam material noted for insulating efficiency. Will not soak up water like foam rubber. Reasonable comfort with superior protection against cold sleeping, due to inadequate ground insulation. ⅜" thick. 19" x 42". 14 oz. **S121**.....**$3.95**
**Other sizes and weights listed on fabric page.



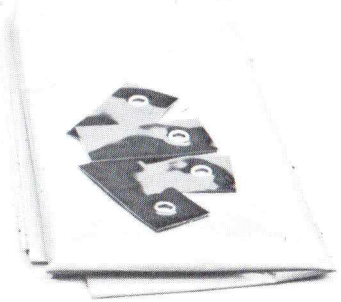


POLYURETHANE SLEEPING MAT. Sleeping pads are equal in comfort and have superior insulating qualities as compared to airbeds. No punctures, no inflating, light and durable. Can be thrown down anywhere; sit on it, lie on it, use it for backpacking, campers, station wagons or on a boat. One side is smooth; the other convoluted. Overall thickness, 2"; valleys are 1" deep. Firm density. Two sizes:
Full size: 22"x76" 2" thick. Wgt. 2 lbs. 4 oz. **S123/6**.....**$6.95**
Half size: 22"x38" 2" thick. Wgt. 1 lb. 2 oz. **S123/3** **$4.00**



SLIMLINE PAD. 2" thick foam pad covered with waterproof Nylport. Size 20" x 30", just enough to cover shoulders and hips, the main pressure points. Has insulating ability and comfort superior to a 48" air-mattress. Wt. 17 oz. **S122**.....**$6.95**

SLIMLINE PAD. Full length of 60". Covered with nylport. 2" thick, 20" x 60" in size. Wt. 2 lbs. 6 oz. **S122F**.....**$12.95**



EXPENDABLE PLASTIC GROUND SHEET. A very inexpensive ground sheet made of waterproof 3-mil polyethylene plastic. 4 self-adhesive grommet tabs included. State color choice: Orange or Blue. Two sizes:
5' x 8' Wt. 12 oz. **S119/58**.....**$1.75**
8' x 10' Wt. 20 oz. **S119/81**.....**$2.95**

COTTON MOSQUITO NET. Best protection from mosquitoes, gnats. Brand new Army surplus. O.D. color. Wt. 3¼ oz.
G114 ..... **59¢**

DRAWSTRING CLAMP. Spring loaded plastic clamp that will hold drawstrings (up to parachute cord size) on parka hoods, rucksacks, etc. Wt. ¼ oz. **R901**... **60¢**

PLASTIC WHISTLE. A must for safety in the mountains. Ivory color. Wt. ½ oz.
E503 ..... **30¢**

OFF FOAM. Combines advantages of spray and liquid OFF. Pressurized foam can be applied to clothing or skin. Consumer's Union rates the active ingredient in OFF as most effective repellent. 3.8 oz. net. Total wt. 3.8 oz. **G109**.. **98¢**

OFF AEROSOL. Same repellent qualities as above. Easy application, long lasting. 5 oz. **G109/A** ..... **98¢**

6-12 STICK REPELLENT. Comes in metal container. Simply rub on exposed skin. One application gives 6-8 hours protection against insects. Wt. 1½ oz.
G112 ..... **69¢**

LUBRIDERM LOTION. Recommended for chapping, windburn, relief of sunburn. Flat plastic bottle with flip-close valve. 4 oz. net. **G105**..... **$1.00**

SUNDARE A clear lotion formulated by Texas Pharmaceutical to prevent burning while promoting a tan. Unique in that it is not sticky. Plastic squeeze-bottle container.
G103 ..... **$1.50**

SUNSWEPT. A colorless cream to prevent burning, promote tanning. Handy and compact squeeze-tube.
G106 ..... **$1.50**

A-FIL SUN STICK. For lips that are sensitive to sun and wind. **G108**.... **98¢**

GLACIER CREAM. Red tube prevents burning and tanning at high altitudes. 1 oz. **Red tube. G101** ..... **80¢**
Green tube allows tanning, is non-greasy. **G102** ..... **70¢**

METAL MIRROR. Highly polished. Has hole for hanging. Pocket size 3" x 4". Wt. 2½ oz. **G201** ..... **30¢**

PLASTIC SOAP DISH. Made of durable plastic. Has hinged lid and lock to keep it closed. Size 4" x 2¾" x 1½". Wt. 1¼ oz. **G204** ..... **26¢**

TOTE BRUSH. Deluxe folding tooth brush. Comes in plastic case with tooth paste. Folded size 3¾" long. Wt. 1¼ oz.
G202 ..... **$1.00**

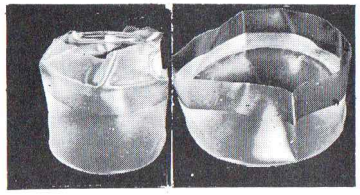
UTILITY POUCH. Flat plastic pouches for keeping small items together and dry. Clear plastic with slide closure. Ave. wt. 1 oz. Four sizes:
12" x 16" ..... **G206/1216**.... **60¢**
9½" x 13" ..... **G206/913**..... **45¢**
8" x 11" ..... **G206/811**..... **35¢**
6" x 9" ..... **G206/69**..... **25¢**

OFF INSECT REPELLENT. A clear liquid that repels mosquitos, gnats, etc. Pleasantly scented. One application will last hours. 1½ oz. bottle. **G110**..... **75¢**

CUTTER'S INSECT REPELLENT. Concentrated formula developed to the specifications of a physician-sportsman. Expensive but good. Plastic squeeze bottle. Wt. 1¾ oz. **G111**..... **$1.49**

SNAKEBITE KIT. The famous Cutter snakebite kit. Consists of three suction cups, vial of antiseptic, lymph constrictor, and knife blade. An important item for all campers. 1" diam. x 3". Wt. 1 oz.
E509 ..... **$2.98**

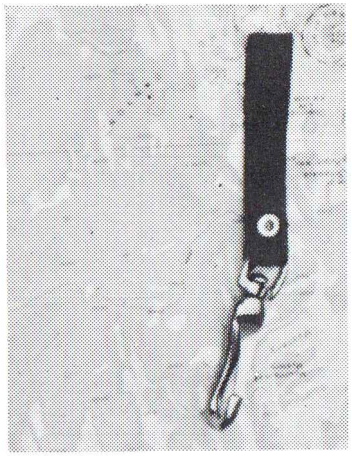
WATER PURIFICATION TABLETS. Kills most germs and bacteria within 30 minutes. A must for health protection. One small bottle contains 100 tablets.
G113 ..... **55¢**



PLASTIC WATER BUCKET. Made of heavy, gauge Vinylite plastic. Has handle. Aqua color. Size is 7½" dia. x 8" height. Wt. 3½ oz. **U661** **$1.00**

PLASTIC WASH BASIN: Made of heavy gauge Vinylite plastic. Size 10" dia. x 4½" high. Wt. 4¼ oz. **U660**... **$1.00**

ALPINE CANE
Imported from Germany. A good companion on mountain trails. Strong lightweight Weichsel wood. End is fitted with metal ferrule and spike. Average length is 36". Average weight is 8 oz.
MA211 ..... **$2.25**



BELT HOOK. A sturdy nylon strap with swivel snap hook for attaching cups, canteens, etc., to the belt. Wt. 1 oz.
A122 ..... **70¢**

GLASS GARD. A must for the active person who wears glasses. Fastens simply and securely on your glass frames. Adjustable elastic band keeps glasses safely in place. Wt. ¼ oz. **E510**.. **$1.00**

NYLON CORD. All nylon ⅛" cord. Tests about 550 lb.
100' hank..... **C100** 6 oz..... **$1.50**
50' hank..... **C050** 3 oz..... **89¢**

GROMMET SETTING KIT. *Complete equipment for setting grommets, including setting die, heavy duty hole punch, cutting board, 48 plain grommets and instructions. Wt. 1½ lbs.
Size 0 Grommet, ¼" hole.. **N310**. **$3.60**
Size 1 Grommet, 5/16" hole. **N311**. **$3.80**
*Will not set Spur Grommets.

GROMMETS WITH WASHERS. Plain grommets are lightweight brass, suitable for most purposes. Spur grommets are heavier, have gripping teeth, can be set in webbing, etc.

Plain grommets, size #0 (¼" hole) or #1 (5/16" hole). Box of 144. **N350**. **$1.50**
Spur grommets, size #0 (¼" hole) or #1 (5/16" hole). Box of 144. **N351**. **$3.50**
Plain Grommets. #0. **N352**.. **50 for 75¢**
#1. **N353**.. **50 for 95¢**
Spur Grommets. #0. **N354**. **50 for $1.85**
Setting Dies for Spur Grommets.
Size "0". ..... **N320**..... **$5.00**
Size "1". ..... **N321**..... **$5.50**
Hole punch. Specify size and type of grommet for punch to be used.
N370.... **75¢**

GROMMET TABS. Use for attaching to plastic tarps. Set comes in adhesive backed plastic tab. Package of 8.
N206 ..... **98¢**

VISQUEEN CLAMPS. For attaching lines to plastic tarps. Rubber ball fits in metal wire frame. Package of 8.
N207 ..... **98¢**

COMBINATION EYELET AND SNAP TOOL KIT. Includes plier tool, with interchangeable parts for eyelet and snap use. Snap and eyelet sets included.
N307 ..... **$1.79**
16 refill snap sets. **N304**..... **.59**
100 refill eyelet sets. **N306**..... **.30**

DOT RIVETS. Two-piece. Set with hammer. Strong, all-purpose rivet.
N410 ..... **20 for 65¢**
Box of 100. **N411**..... **$1.75**

WEB TIPS. Flat type. Can be set by hand (confine sides, and hammer tight), but are best set by use of dies. Nickel finish.
¾". **N401**..... **10 for 30¢**
1". **N402**..... **10 for 30¢**
2". **N403**..... **Each 10¢**

WEB TIPS. Thimble type. Place thimble on end of web and hammer flat. No die needed. Bronze. For 1" cotton web.
N404 ..... **Each 10¢**

WEB STRAP BUCKLES. For use with heavy cotton webbing or similar material.
Nickel finish. ¾". **N405**.... **10 for 45¢**
1" ..... **N406**.... **10 for 45¢**
Heavy-duty: 1½" Cadium. **N407 Ea. 30¢**
2" cadium **N408**..... **Ea. 45¢**

DEE RINGS. Nickel plated types are split; aluminum types are unsplit stampings. Dimensions given are inner diameters.
Nickel-plated. ½". **ND012**... **10 for 35¢**
⅝". **ND058**..... **10 for 35¢**
¾". **ND034**..... **10 for 40¢**
1½". **ND150**..... **10 for 45¢**
Aluminum. ½". **ND912**..... **10 for 35¢**
⅜". **ND938**..... **10 for 35¢**
⅞". **ND978**..... **10 for 35¢**

ALUMINUM ROUND RINGS. Measurement given is inner diameter of ring.
⅜". **NR038**..... **10 for 40¢**
½". **NR012**..... **10 for 40¢**

SLIDE FASTENERS. For use with 1" webbing only. Lt. wt. nickel. **N415**.. **Each 5¢**
Heavy wt. bronze. **N416**..... **Each 8¢**
SYLVANO BUCKLES. For medium weight nylon web. Wt. ⅔ oz. **N417**... **Each 25¢**

BAG SNAPS. Nickel finish. Single casting with spring steel clip.
⅝". **N419**..... **Each 17¢**
¾". **N420**..... **Each 17¢**
1". **N421**..... **Each 18¢**

ZIPPERS
SP=Single Pull. DP=Double Pull
Nylon Chain. Equivalent to #5 size metal chain.
NON-SEPARATING Zippers
30″ SP $1.50
SEPARATING Zippers:
23″, 26″, 28″ SP for jackets .. 1.50
72″ DP for sleeping bags
Pocket type, closed ends:
9″ ..... .75
12″ 1.00
METAL CHAIN #5
72″ DP 4 oz. separating 1.50
125″ DP 7 oz. separating 2.50
24″ SP for jackets separating . .75
10″ SP one end closed—parka throat zipper. Locking slider. ... .50

STANDARD SPEEDY STITCHER SET. For sewing any heavy material, including leather, canvas, rubberized fabrics, etc. Lock stitch. Kit contains: Stitcher with bobbin loaded with nylon thread, 3 needles (1 light strength, 1 heavy and 1 heavy curved). Wt. 3½ oz.
N201 ..... **$1.75**

DELUXE SPEEDY STITCHER SET. This set includes, in addition to the complete set described above, 180 yards of nylon thread and 3 spare needles. Wt. 7 oz.
N202 ..... **$3.25**

EXTRA THREAD FOR SPEEDY STITCHER.
Comes in 30 yard skeins:
Fine Nylon. ..... **N203** ..... **25¢**
Heavier Nylon. ..... **N204** ..... **35¢**

EXTRA NEEDLES
light **N205/l**
heavy **N205/h**
heavy curved **N205/hc** ..... ea./**15¢**

TASLAN NYLON AND DACRON THREAD.
Three weights:
Taslan/S23. For down clothing, sleeping bags. 4 oz. spool, 4300 yd. **N223** .. **$3.75**
Taslan/S46. Heavier weight. 4 oz. spool, 2025 yd. **N246** **$3.95**
Dacron/D69. Heavy duty for tents and packbags. 8 oz. spool, 3000 yd.
N269 ..... **$6.75**
S23 and **S46** available in Red, orange, olive, tan and blue.
D69 available in grey only.

WEBBING
Medium Cotton
¾″ OD ..... $ .07 ft.
Medium Nylon
MN916 .... 9/16″ OD ..... .07 ft.
MN034 .... ¾″ White .... .07 ft.
MN100 .... 1″ White .... .08 ft.
MN201 .... 2″ OD ..... .15 ft.
Heavy Nylon
HN100 .... 1″ Grey ..... .12 ft.
HN200 .... 2″ Grey ..... .25 ft.

SLEEPING BAG, TENT AND CLOTHING MATERIALS

FABRIC		Wt., Oz. Per Sq. Yd.	Coated	Water Repellent Treated	Width, Inches (Add 1″ Tolerance)	Thread Count Per Inch	Tear Test In Lbs. (Ave.)	Air Porosity Cu. Ft. Per Min.	COLORS	USES	Price Per Lineal Yard
NYLSURF, Urethane coated	**CN106**	5.1	yes	—	45	108	50	nil	Black	Tent floors/stuffsacks	**2.75**
NYLPORT, Urethane coated	**CN104**	3.3	yes	—	44/45	112x90	3.2	nil	Blue, Red, Beige	Raingear, stuff bags	**1.98**
URETHANE NYLON DUCK	**CN107**	7.8	yes	yes	40/41	105	52	nil	Navy Blue Sage Green, Red	Packs/Duffles	**3.50**
REEVAIR (N)	**CN103**	3¼	yes	—	44/45	135x66	7	nil	Royal Blue/Orange	Ponchos/Parkas/Tarps/Tents	**2.50**
NYLTOWN, Urethane coated	**CN105**	3.53	yes	—	44/45	211	15	nil	Navy Blue	Tent floors	**2.25**
VENTILE (C)	**C121**	5	no	yes	36	334	6	1.00	Blue, Orange, Lichen Green	Parkas/windproof clothing/tents	**3.75**
SUPERNYL (N)	**PN112**	2.5	no	yes	45	254	7	1.37	Chianti, Royal Blue, Scotch Mist	Sleeping bags/down jackets/tents	**1.60**
RIPSTOP 15 (N)	**RN118**	1.5	—	—	38	198	6	2.2	Blue, Red	Sleeping bags, garments	**2.20**
RIPSTOP 20 (N)	**RN119**	2.0	—	yes	44/45	—	8	—	Blue, Green, Orange	Tents/garments	**1.85**
TENAYA CLOTH (N)	**PN113**	1.5	no	yes	38	244	4	2.1	Blue, Red, Orange	Sleeping bags	**2.00**
ALPINE NYLON	**PN108**	2.4	no	yes	42/43	319	7	2.32	Range Green	Tents/Parkas/Windproof Clothes	**2.25**
NYLON MESH	**NM126**	7.5	—	—	51	—	—	—	Sage Green	Mesh panels on pack frames	**6.00**
NYLON NETTING	**NN127**	1	no	no	35	—	—	—	Charcoal	Mosquito doors/sleeping bag baffling	**.90**
HEAVY DUTY NYLON	**PN111**	6.5	no	yes	40	152	40	2.4	Medium Blue Sage Green	Packs/pack frame back bands/cots	**2.75**
RIPSTOP(N), Urethane coated	**RN119**	2.0	—	yes	44/45	212	8	—	Green, Orange	Tents/garments	**1.85**

Note: Under the column listing of FABRIC the letter (N) means NYLON, (C) means COTTON.

SEAM SEALANT. Coating will last lifetime of garment and will not crack or peel. Adheres to most fabrics and vinyl when applied to clean surface. Brush on, dries quickly. Clear. 4 oz. can.
N901 ..... **$1.60**

ARIDEX. Wax emulsion. Mix with water and warm. Immerse garment or fabric in solution and iron while damp. Makes 2½ gallons of reusable solution. Packed in reusable plastic container. Wt. 1¾ lbs. **N904** **$1.95**

RIP-STOP REPAIR TAPE. 2″ x 25 ft. length of Zeta Nylon cloth with adhesive on one side. Quick repair for rips in clothing, tents, sleeping bags, etc. No heat required. Specify red, blue or green color. 5 oz. **RN900** **$2.50**
Per foot ..... **15¢**

ENSOLITE TYPE M. A unicellular foam material noted for its insulating efficiency and shock absorbing quality. Will not soak up water like foam rubber. Recommended uses: padding under sleeping bags, insulation for any article of wearing apparel or shoulder pads. Available in full sheets 42″ x 56″ or half sheets 42″ x 28″. The sheets may be laminated with any good quality adhesive to form any thickness desired.

Thickness	Full Sheet	Half Sheet
⅛″	**NE118 $ 5.00**	**NE018 $3.25**
¼″	**NE125 $ 8.25**	**NE025 $5.00**
⅜″	**NE138 $10.50**	**NE038 $6.00**

POLYETHELENE SHEETING. Lightweight 3 mil gauge sheeting suitable for making your own emergency shelters, tarps, groundsheets, ponchos, etc. This sheeting comes 8′ feet wide. Wt. approximately 6 oz. per running yard. Price per running yard (24 sq. feet) .. **NP010** ..... **75¢**

DOWN FILLING, in extra fill quantities, can be added to most models of Trailwise Bags at time of ordering. It is recommended that the extra fill does not exceed ½ lb., otherwise the down will pack without further gain of thermal efficiency. Additional filling in ½ lb. and 1 lb. units may be purchased at the following rates. Down comes packed in plastic bags.
Premium White Goose Down
Grade AA ..... 1 lb./**$16.00**; ½ lb./**$8.50**
Premium Gray Goose Down
Grade A ..... 1 lb./**$14.50**; ½/lb. **$8.00**

VELCRO TAPE. A non-metallic tape that can be used more effectively than zippers for certain closure applications. By merely pressing tape together a secure draft free closure is obtained. Washable. Good holding power and long life. Colors: pale blue, green, charcoal and beige. ¾″ width. Wt. per yard approx. 1 oz.
NV304 ..... **50¢**/ft.

ANGLE SNOW PEG. 12″ Tapered. 1¾ oz.
T616 ..... **45¢**

ALL-PURPOSE PEG. For soft sod, sand, or snow. Aluminum channel construction. Flanged at top, 8½″ long. 1¼ oz.
T618 ..... **20¢**

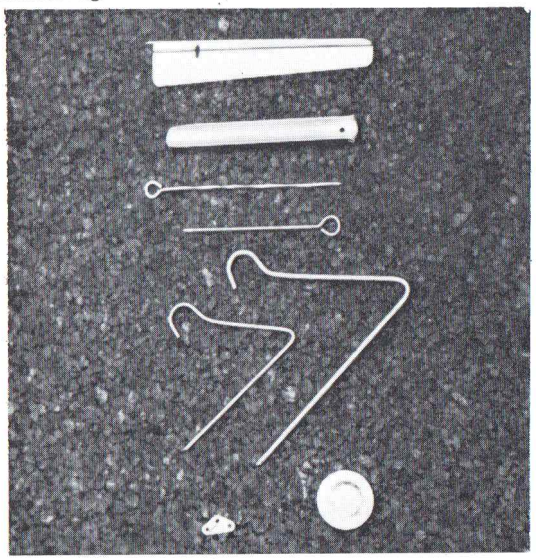
TWISTED SKEWER PEG. Superior high tensile steel. Light, but grips well in poor ground. 9″ long. 1 oz. **T617**..... **10¢**

DURALUMIN ROUND WIRE PEGS. 7″ long. ½ oz.
T615 ..... **15¢**

"ANKER" TENT PEG. Very efficient in any kind of ground except snow. Spring arm is self-adjusting. Nothing to trip over, easy extraction. Increased tension anchors peg more firmly.
5″ top arm w/7″ shaft length. 2 oz..... **T605**..... **ea./30¢**
7″ top arm w/10½ shaft length. 4½ oz.... **T605**..... **ea./45¢**

POLE BEARING PLATES. Aluminum. For poles up to 1″ in diameter. Weight ½ oz. **T216** ..... **10¢**

TRIANGULAR GUY LINE TIGHTENER. A superior continental type of slider that effectively locks tent or tarp lines. Adjusts easily. 3/16″ dia. holes suitable for parachute cord or lines of similar thickness. Pkg. of 10 for 50¢ or **T201** ..... **6¢ ea.**



CORD TENSION ADJUSTER. An elastic link from peg to guy line. Absorbs wind shock on tent walls. **T114**..... **each 50¢**

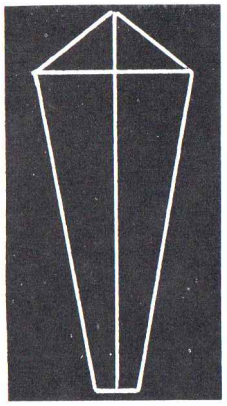
TRAILWISE UPRIGHT POLES. ⅝″ aluminum tubing. Three sections per pole.
36″. Wt. per pole 4 oz. **T111/36** ..... **ea. $2.50**
42″. Wt. per pole 5 oz. **T111/42** ..... **ea. 2.75**
48″. Wt. per pole 6 oz. **T111/48** ..... **ea. 2.95**
60″. Wt. per pole 7 oz. **T111/60** ..... **ea. 3.25**

POLE BEARING PLATE. A large 5″ x 7″ aluminum plate having "dished" edges. Will hold poles from ¾″ dia. to 2½″ dia.
T116 ..... **89¢**

TRAILWISE 48″ ANGLE POLES. ⅝″ O.D. tubing. Three sections per pole with elastic cord inside to hold sections together when collapsed. Two poles per set, including removable joint fitting at peak. Wt. 14 oz. **T110** **$8.75/set**

ONE-MAN PLASTIC TUBE TENT. A lightweight and useful emergency shelter made of 3 mil polyethelene tubing. Tube is 8′ in circumference and the length of the tent is 9′ 7″. Can be erected quickly into a tent with floor by simply inserting rope to form ridge. Two grommet tabs included. Body weight anchors tent. Colors: Orange, black or bright blue. **T109/1**..... **$2.50**

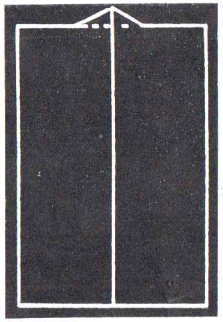
TWO-MAN PLASTIC TUBE TENT. A more companionable version of the one-man tent above. Expedient, expendable and cheap. 4 mil poly tubing. Circumference is 12′; length, 9′ 7″. Wt. 33 oz. Colors: Orange or bright blue. Two grommet tabs included.
T109/2 ..... **$3.50**

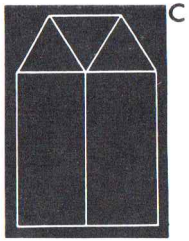


A TRAILWISE ONE MAN MOUNTAIN TENT. A small, lightweight tent designed for one person plus gear. The functional design of the front alcove plus tapered foot section provides adequate floor space. Two coated ripstop flaps cover alcove floor and can be folded back for cooking space. Floor at front poles is 40″ wide, tapering to 16″ at rear pole, and is made of coated ripstop. Floor length is 6′6″ to angle poles, alcove is additional 22″ long and closed by zipper. Height 40″. Fabric orange or green ripstop nylon. Complete with front angle poles, rear pole, guy lines, shock rings, 8 pegs and carrying case. Specify first and second color choices when ordering. Wt. 2 lb. 14 oz.
T105 ..... **$59.95**

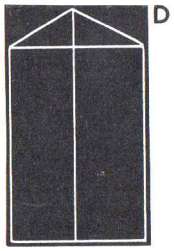
FLYSHEET FOR ONE MAN TENT. Made of waterproof coated nylon ripstop. Will provide complete rain protection. Recommended for use during heavy or prolonged rainy weather. Wt. 20 oz. **T106** **$18.75**

B TRAILWISE VENT TENT
Cut to the same generous dimensions as the Trailwise Two-Man Mountain Tent, this two-man tent is entirely fabricated with urethane-coated nylon ripstop material. Use of waterproof material is made possible by numerous fully-screened and weather-protected vents. 4′ x 4″ side vents are located immediately under generous flaps on sides of tent and in the event of extreme weather conditions may be sealed by use of velcro closures. Ridge vent measures 9″ x 42″ and a 12″ triangular vent is at rear of tent. Both are fully protected from rain. Production model differs from photograph in that a mini fly sheet is used over ridge rather than small flaps as shown. Front double zipper closure has mosquito netting and is weather-proof. Color is expedition orange or green. Tent comes complete with camping case, angle poles, shock rings and pegs. Weight complete, 5 lbs.
T110 Price (without poles) **$77.50**
Pole Set (elastic cord type) **$17.50**





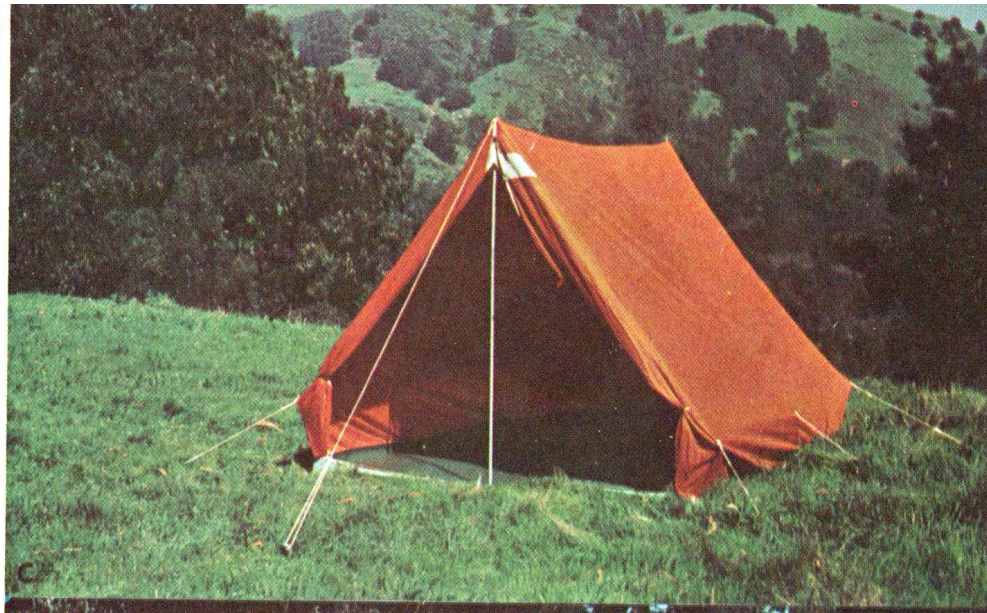
C FRENCH JAMET PCA 15. Transformable tent. This tent when used with the fly cover in a conventional manner is roomy enough for three persons: height 58″. Floor 5′10″ wide x 6′ x 6″ long with vestibule extension in rear of 2′7″. 13″ wall gives more effective floor space. Waterproof floor. Insect proof mosquito netting door with zipper closure. Outside door is also closed with zipper. Both tent and fly cover are made of finely woven water repellant cotton that gives noteworthy protection against severe weather. **Transformable feature.** The fly cover may be rearranged (see photo below) to make a roomy extension to the tent. Color: Orange. Weight including tent, fly cover, metal poles, and pegs. 13 lbs. **T315**..... **$82.50**



D FRENCH JAMET TENT PCA 10. An extraordinary value in a two-man tent. Made to Trailwise specifications in France, this model holds two men and their gear in comfort and weighs only 6¾ lb. The floor is 4′ x 6½′ with a 16″ vestibule in the rear. Height 39″ with 10″ walls all around to make every inch of floor space usable. Outside door and mosquito netting are secured by center zippers. Upright aluminum alloy pole at each end. The walls are bright orange densely woven cotton; with fly sheet, air space in between insures that rain will not penetrate and adds significantly to warmth inside the tent. Wt., including tent, fly sheet, aluminum poles and pegs: 6¾ lb. **T310**..... **$48.50**

A

B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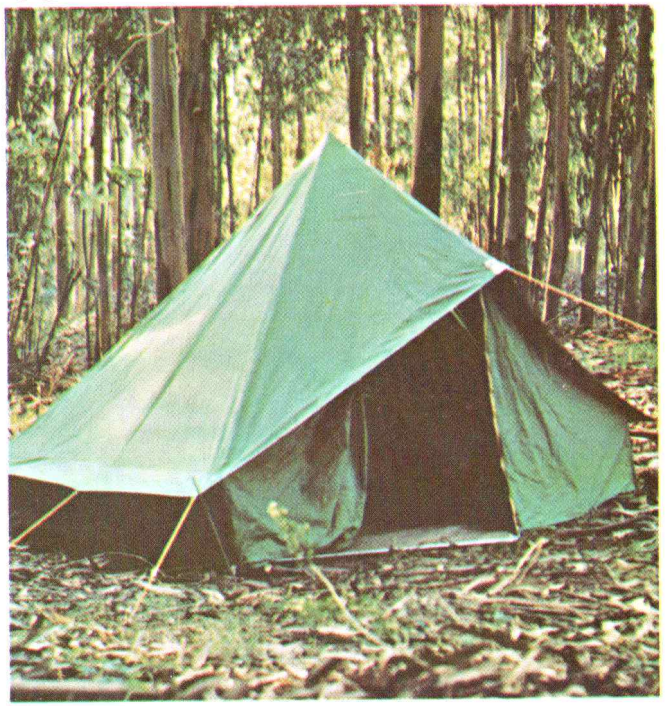
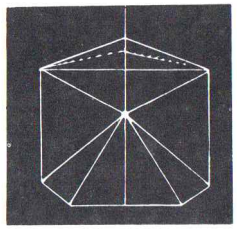
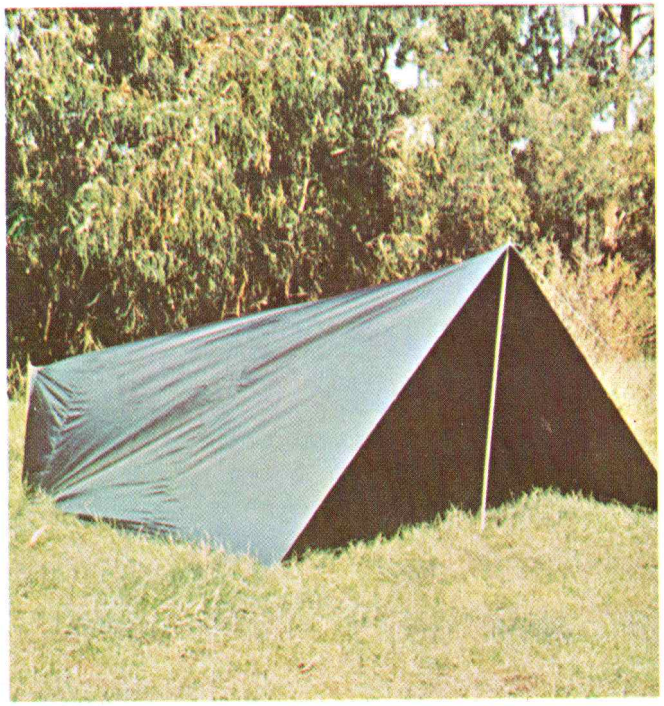
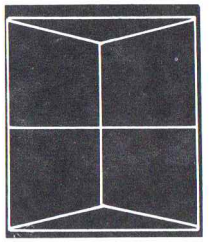




ITISA SENIOR. Large enough for 2 adults and 2 children. Doors can be closed or pegged out during good weather. Mesh ventilator under shelter hood. Floor is 7′ x 7′. Height is 5′; 12″ walls with 4″ eaves. Tent fabric is fine count Egyptian cotton approximately 3 oz. per square yd. With alloy pegs, stub plate, nesting aluminum center pole and sturdy carrying case. Tan or apple green as available. Wt. 5 lb. 10 oz.
T401 ..... **$59.50**
Detachable floor of nylon. Wt. 16 oz.
T402 ..... **$17.50**
Senior tent with sewn-in floor. Wt. 8¼ lbs.
T403 ..... **$83.50**

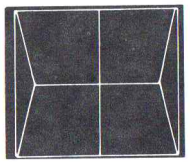


TRAILWISE TARP TENT. A large 10′ x 12′ tarp that can be used as a ground covering or as a weatherproof shelter as pictured. Fabric is Nylport, a coated nylon fabric that is impervious to water. Shelter provides approximately 7′ x 7½′ of floor space, with 30″ rear wall and 60″ clearance at front peak. 14 grommets are placed at corners and along sides. Setting up may be effected by stringing cord between trees or by using 60″ pole and bough poles at rear. Sealant for coating seams and 25′ nylon cord included. Wt. 3 lbs.
T108 ..... **$29.95**
60″ Aluminum Tent Pole, 6 round wire pegs. Wt. 9 oz. **T108/K** **$3.75**



E

FOUR MAN STORM TENT. An extremely lightweight four-man offering complete weather protection, the storm tent is completely waterproof coated ripstop with an adjustable ventilation system to minimize condensation. Floor area measures 8′ x 7′; height at center pole is 77″. Tunnel entrance. Available in expedition orange. Comes complete with collapsible center pole of aluminum alloy, 18 pegs, carrying case. Total weight 6 lb. 12 oz. **T168** ... **$125.00**

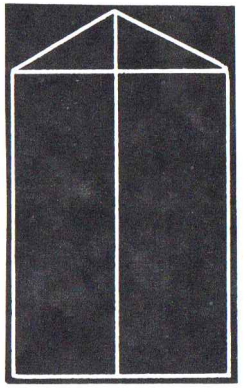


F

FOUR MAN McKINLEY TENT. This tent displays many features desirable to those requiring a tent for field and expeditionary use. Tent is designed to present a minimum profile to high velocity winds, while also allowing adequate interior space and lightness. There are two entrances: a large zipper door at the front and a tunnel entrance at the rear. Such arrangement allows maximum ventilation when desired and also two tents can be pitched back to back allowing access from one to the other. Fabric is 4-oz. water repellent Cascade Nylon in a Gold-Bronze color. Lower walls faced with waterproof fabric for extra protection. Floor measures 8′ x 7′; tent 7′ wide at doors, and height of tent is 7′. Comes with sectional aluminum pole, base plate, peak vents and waterproof, sewn-in floor. Packed in tent-compressor carrying case with guy lines, shock cords, pegs and patching fabric. Wt. 12 lbs. **T102** **$150.25**

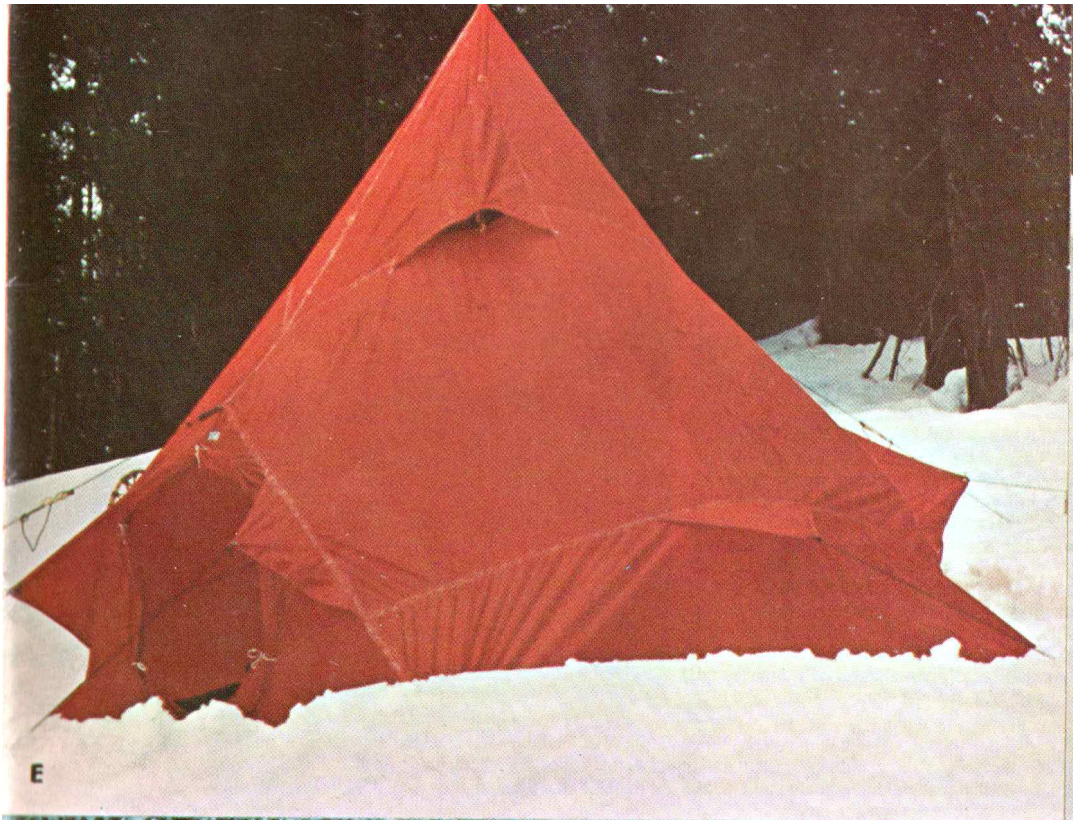
SNOW FLAPS sewn around tent at floor seam. Wt. 10 oz. **T102/F** **$16.00**

FROST LINER. Made of light nylon ripstop. Covers all walls and entrances. Held in place with snaps and tie tapes. Removable. Color is white. Wt. 18 oz.
T102/L **$45.00**



G

TRAILWISE TWO MAN MOUNTAIN TENT. Lightweight two man tent for all seasons, made of light and durable ripstop nylon. Supported at each end by angle poles set in nylon sleeves, this is an exceptionally rigid tent under storm conditions. Floor is 46″ x 90″; peak is 40″ high. Front double zipper closure is insect and weatherproof and offers effective ventilation control. Tunnel door on rear panel; mosquito netting door behind front entrance. Flysheet provided is necessary in prolonged rainy weather; without fly, rain will eventually "spray" through all lightweight fabrics, nylon or cotton, in spite of water repellent treatment. Tent fabric is orange or green as available. Flysheet and sewn-in floor (which extends 13″ up sides of tent) are coated ripstop, a waterproof fabric which will not crack or peel—ever. Tent comes with carrying case, fly-sheet, sectional angle poles of aluminum alloy, elastic shock rings and 8 all-purpose pegs. Wt. 4 lb. 8 oz.
T103 ..... **$104.00**



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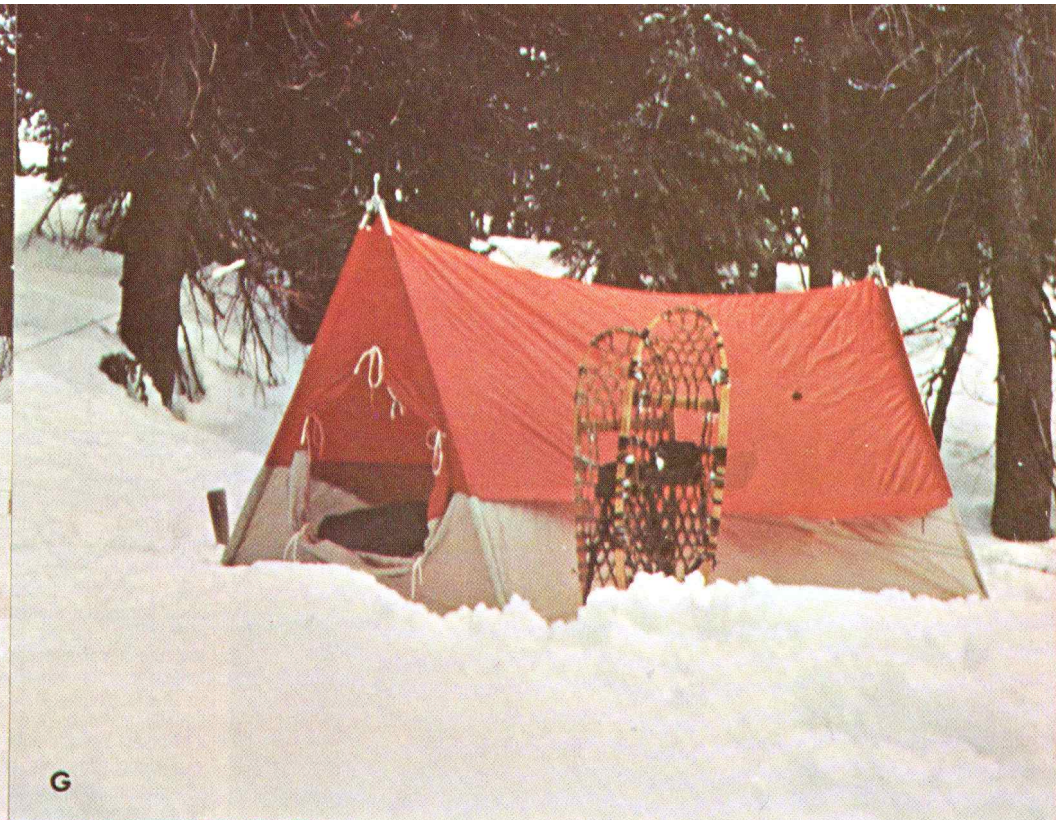


G

KLEPPER FOLDBOATS have been sailed across the Atlantic Ocean twice—a marvelous feat for a boat that can be carried by one man, stowed in the trunk of a car, and erected in 15 minutes. The secret is in the Klepper engineering. This remarkable craft has been in the process of perfection for over 50 years. The individual parts, straight-grained mountain ash with anodized aluminum fittings, lock into a tight and flexible framework. The hull is a tough laminate of rubber and canvas, fitting perfectly over the frame.

Undoubtedly the finest of their breed, Klepper foldboats have been a standard on many expeditions to the Arctic and tropic regions of the world. They are guaranteed for three years. With proper maintenance, Klepper hulls have a life expectancy of at least 15 years and some have exceeded 30 years.

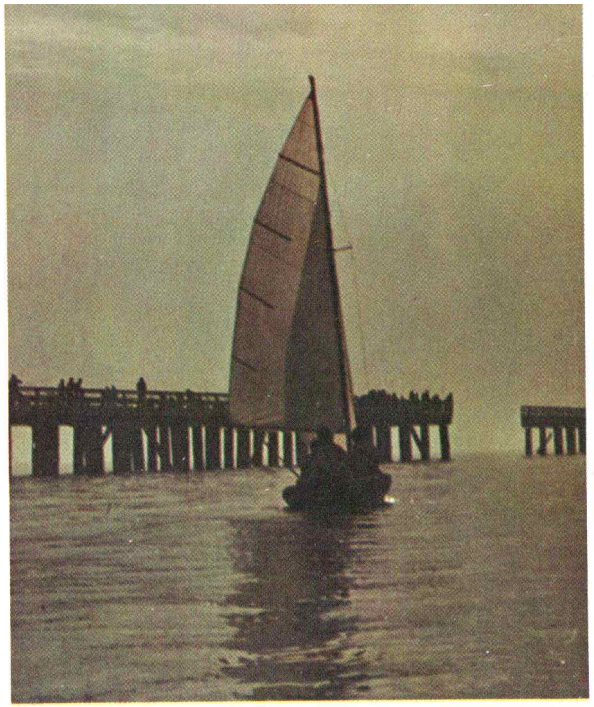
KLEPPER AERIUS DOUBLE-SEATER. In 1956, Dr. Hans Lindeman crossed the Atlantic Ocean sailing a standard Klepper Aerius. This outstanding accomplishment was featured in the July 22, 1957 Life Magazine cover story. This 17′ 1″ kayak can be used as a sailboat or paddled. Amazingly compact, it folds into 3 luggage-like packbags and easily fits into the trunk of a car. Patented built in airsponsons make the Aerius completely unsinkable even when fully loaded and filled with water. Cross ribs are of 9-layer cross-laminated Finnish Birch; guaranteed against warping or disconnecting. Girder construction provides exceptional strength and the kayak-shaped hull is the fastest and most seaworthy of hulls. Assembly is simple and takes approximately 15 minutes due to the tough, anodized snap-lock fittings which will not corrode. Equally at home in white water, pounding surf, shallow marshes and lakes. Weighs only 64 lbs. **K001** **$369.00**

SAILING EQUIPMENT. Long staple Egyptian cotton or dacron sails; 55′ of sailing area. Roller reefing feature for manageability. Can be sailed easily by one person. Strong alloy mast is 9′2″. Includes boom, gaff, battens, footpedal, rudder assembly, leeboards with crossbar, fittings, packbag. Weight of sailing equipment is 19 lbs.
Aerius complete with dacron sailing equipment **K001/D $512.00**
Aerius complete with cotton sailing equipment. **K001/C $488.00**

KLEPPER MASTER FOUR-SEATER. Three top action crafts in this one versatile foldaway. Excellent performance as a sail sloop, motor boat or rowboat. Rugged hull is of 5-layer vulcanized natural rubber and longhemp. Deck is of laminated Mountain Ash, Finnish Birch and African Mahogany. Built on the I-beam girder and arch principle for strength and stability. 3 built-in airsponsons for safety and seaworthiness. Boat is unsinkable. Strong transom permits choice of motor sizes to 18 hp. Packs into three handy packbags. Boat is 11′ 10″ long, with a 4′ beam. Needs little or no care; no hauling or trailering; no docking fees; no storage problem. Equipment includes two adjustable seats; wavebreaker of Astralon; metal flagstaff and flag; set of 3 packbags; one auxiliary paddle; and service kit. Silver grey hull and marine blue deck. Weight of boat is 108 lbs. **K002** **$497.00**

SAILING EQUIPMENT. Trouble-free dacron sails with 77 sq. ft. of sailing area. Height of 2-section mast is 15′ 11″. Sailing equipment includes boom, battens, leeboards with crossbar, rudder assembly with tiller, lines and attachments, and 8′ 5″ packbag. Weights 43 lbs.
Master complete with dacron sailing equipment. **K002/D $795.00**
Master complete with cotton sailing equipment. 68 sq. ft. of sailing area. **K002/C** **$695.00**

KLEPPER TRAMP. Fast, stable, downriver sport boat. Length is 14′. Equipped with plastic contour seat, foam rubber thigh braces, footrest, built in flotation. Cherry red or light blue. Paddles extra. Wt. 49 lbs. **K003** **$244.00**



SPRAYCOVER FOR TWO-SEATER. Fits around body. Prevents entry of water into hull. Wt. 5 lbs. **K005** **$29.50**
SPRAYCOVER FOR T/9 AND AERIUS SINGLE. Wt. 3 lbs. **K006** **$19.50**

STANDARD DOUBLE BLADED TOURING PADDLE. **K010** **$13.75**
SLALOM PADDLE "TACEN" STRAIGHT BLADES. **K012** **15.00**
DRIP RINGS, pair. **K013** ..... **.35**
HULL WAX, 9 oz. can, Silver... **K020** **1.95**
FABRIC KEELSTRIPS, 2¼″ wide, 15′ long, reinforced. **K026** ..... **Pr.$ 7.50**

RUBBER CEMENT for Keelstrips, 1 lb. can. **K025** **1.75**
SELF ADHESIVE TAPE for Emergency Repair. **K023** ..... **.50**
SERVICE KIT for repairing small tears in hull and deck. **K024** **1.25**

RUBBERIZED HULL PAINT, 2 lb. can, Silver. **K021** **5.50**
WATERPROOF PAINT for Canvas Deck, 2 lb. can, Blue. **K022** **6.00**

WATERPROOF FLOTATION BAG. Made of rubber and canvas. Can be adapted to any fiberglas kayak. Use of at least two, one on each side of the paddler, is recommended. Size approximately 20″ x 16″. Wt. 8 oz. **K007** **$3.95**

*F.O.B. New York. All boats normally stocked in Berkeley. Freight charges calculated on delivery points.
For further information on all Klepper boats, please write to us for illustrated brochures.

ORDER FORM the ski hut 1615 university ave., berkeley, calif. 94703

Phone 843—6505

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Name _____

Address _____

City _____ State _____ Zip _____

Quantity	Cat. No.	Description	Amount	First	B.O.	Charges

DO NOT WRITE BEYOND THIS LINE

Subtotal	
5% Sales Tax (Calif. residents only)	
Special Handling or Special Delivery	
Air Mail	
Shipping and Handling Charge	$1.25
TOTAL	

Postage	Net Charges	
	Tax	
	Postage	
Remittance	Food	
Refund	Labor	
	TOTAL	
Amount Due		

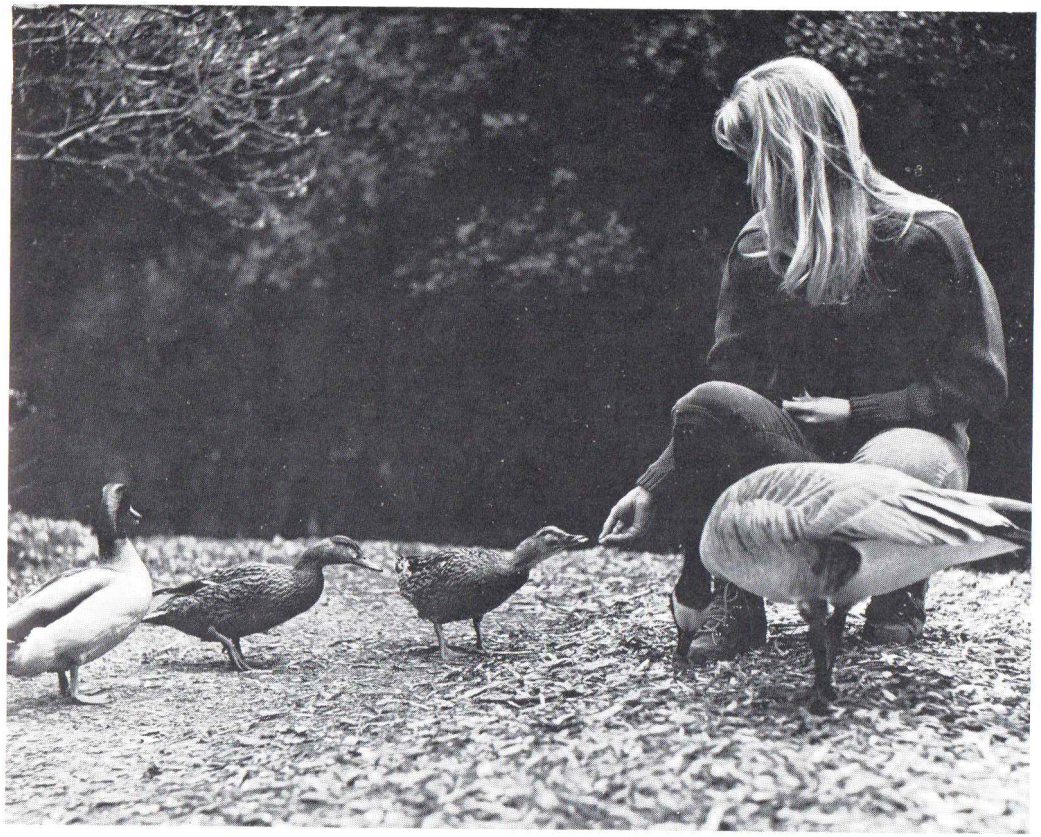
DATE CLOSED _____

ORDER NO.

IMPORTANT! Read before sealing order.

1. **FULL REMITTANCE** must be enclosed with order. Check or money order, please. No C.O.D.s. Make foreign orders payable in U.S. funds.
2. **SHIPPING AND HANDLING CHARGE** for all surface orders is $1.25. Air mail orders are .75 per lb. Foreign orders will be billed at international parcel post rates.
3. **OUT OF STOCK ITEMS** will be backordered unless cancellation is specifically stated.
4. **ADD:** 50¢ for Special Handling.
   75¢ for Special Delivery.
5. **RETURN ITEMS** within 30 days if they are not satisfactory.
6. Prices subject to change without notice.

The SKI HUT sells only products made of the best materials with the finest workmanship. Your satisfaction is guaranteed.



We of the Ski Hut staff find that our interests coincide with our customers in the matter of preserving the fast-diminishing wilderness that remains to us. We strongly urge you to support Conservation in its many and varied forms. Much alike in spirit are those who struggle to save a single roadside tree in the city, and those who fight to preserve large tracts of virgin wilderness for the enjoyment of this and future generations. Listed below are a number of organizations that are attempting to preserve what is best in the American landscape. We'd like you to stand up and be counted this year among those who are willing to try to save what is left.

The Sierra Club, 1050 Mills Tower, San Francisco 4, California
Wilderness Society, 2144 P treet, N.W., Washington 7, D.C.
National Audubon Society, 1130 Fifth Avenue, New York 28, N.Y.
Defenders of Wildlife, 809 Dupont Cir. Bldg., 1346 Connecticut Ave., N.W., Washington, D.C.
Save-the-Redwoods League, 114 Sansome St., San Francisco, Calif.
Save San Francisco Bay Association, Box 925, Berkeley, Calif.
California Roadside Council, 2636 Ocean Ave., San Francisco, Calif.
North Cascades Conservation Council, 1811 Queen Anne Ave., Seattle, Wash.
Izaak Walton League of America, 1326 Waukegan Rd., Glenview, Ill. 60025
National Parks Association, 1300 New Hampshire Ave., Washington, D.C. 20036
The Wildlife Society, Suite S-176, 3900 Wisconsin Ave. N.W., Washington, D.C. 20016
National Wildlife Federation, 1412 16th St. NW, Washington, D.C. 20036
Outward Bound, Inc., 16 School Street, Andover, Massachusetts 01810
World Wildlife Fund, 910 17th Street, NW, Washington, D.C. 20006

THE SKI HUT wishes you the best in outdoor experience this summer. We hope you have enjoyed our catalog, and that some of the equipment we make and provide will facilitate your wilderness travels, climbing and boating during 1968 and in the years to come.

The Ski Hut Staff

George Rudolf
Allen Steck
Peter K. Noone
Arthur Kuller
Alfred Smith
Judie Sinclaire
Steve Roper
Charles Pratt
Carroll Russell
Iqbal Ahmed
Philip Scott
Roland Jacopetti
Carol Huffstutler
Linnea Fitschen

Store Hours

Summer June - August

Monday, Wednesday, Thursday	9 - 8:45
Tuesday, Friday, Saturday	9 - 5:45
Sunday	12 - 5

Winter September - May

Monday, Tuesday, Wednesday, Friday, Saturday	10 - 5:45
Thursday	10 - 8:45

THE LARRY WILLIAMS MOUNTAINEERING GUIDE SERVICE. The 1968 climbing camp sessions are designed to introduce novices to mountaineering, to provide a refresher for occasional climbers, and to improve the skills of experienced climbers. By keeping the ratio of instructors to climbers at about one to four, we are able to accommodate climbers of varying backgrounds and abilities in the same session. The increasing popularity of these sessions has led us to schedule a larger number of these activities than ever before. Write the Ski Hut for dates and particulars.

the ski hut 1615 university ave., berkeley, calif. 94703

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berkeley, calif.
94703

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